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Volume 71–90 (1982–1986)

A

Aarset, A.V., Zachariassen, K.E.: Effects of oil pollution on the freezing tolerance and solute concentration of the blue mussel *Mytilus edulis* **72**, 45 (1982)

Abe, T., see Yamochi, S. **83**, 255 (1984)

Ackman, R.G., see Cosper, C.I., et al. **78**, 139 (1984)

Adelung, D., see Ponat, A. **74**, 275 (1983)

Ahmad, I., Hellebust, J.A.: Effects of methionine sulfoximine on growth and nitrogen assimilation of the marine microalga *Chlorella autotrophica* **86**, 85 (1985)

Ahmad, I., Hellebust, J.A.: Osmoregulation in the euryhaline flagellate *Brachiomonas submarina* (Chlorophyceae) **87**, 245 (1985)

Ahmed, S.I., see Dortch, Q., et al. **81**, 237 (1984)

Ahsanullah, M., Brand, G.W.: Effect of selenite and seleniferous fly-ash leachate on growth and viability of the marine amphipod *Allorchestes compressa* **89**, 245 (1985)

Ahsanullah, M., Florence, T.M.: Toxicity of copper to the marine amphipod *Allorchestes compressa* in the presence of water- and lipid-soluble ligands **84**, 41 (1984)

Ahsanullah, M., Mobley, M.C., Negilski, D.S.: Accumulation of cadmium from contaminated water and sediment by the shrimp *Callianassa australiensis* **82**, 191 (1984)

Alberte, R.S., Cheng, L., Lewin, R.A.: Photosynthetic characteristics of *Prochloron* sp./ascidian symbioses. I. Light and temperature responses of the algal symbiont of *Lissoclinum patella* **90**, 575 (1986)

Alberte, R.S., see Barlow, R.G. **86**, 63 (1985)

Alberte, R.S., see Gallagher, J.C., et al. **82**, 121 (1984)

Alberte, R.S., see Pregnall, A.M., et al. **83**, 141 (1984)

Alexander, C.G., see Haywood, M. **72**, 113 (1982)

Al-Hassan, J.M., Thomson, M., Criddle, K.R., Summers, B., Criddle, R.S.: Catfish epidermal secretions in response to threat or injury: a novel defense response **88**, 117 (1985)

Alldredge, A.L., King, J.M.: The distance demersal zooplankton migrate above the benthos: implications for predation **84**, 253 (1985)

Alldredge, A.L., Robison, B.H., Fleminger, A., Torres, J.J., King, J.M., Hamner, W.M.: Direct sampling and *in situ* observation of a persistent copepod aggregation in the mesopelagic zone of the Santa Barbara Basin **80**, 75 (1984)

Allen, J.A., see McHenery, J.G., et al. **75**, 57 (1983)

Almatar, S.M.: Effects of acute changes in temperature and salinity on the oxygen uptake of larvae of herring *(Clupea harengus)* and plaice *(Pleuronectes platessa)* **80**, 117 (1984)

Alongi, D.M., Boesch, D.F., Diaz, R.J.: Colonization of meiobenthos in oil-contaminated subtidal sands in the lower Chesapeake Bay **72**, 325 (1983)

Ambrose, R.F., see Hartwick, E.B., et al. **82**, 65 (1984)

Ambrose, W.G., Jr.: Estimate of removal rate of *Nereis virens* (Polychaeta: Nereidae) from an intertidal mudflat by gulls (*Larus* spp.) **90**, 243 (1986)

Amiard, J.C., Amiard-Triquet, C., Berthet, B., Métayer, C.: Contribution to the ecotoxicological study of cadmium, lead, copper and zinc in the mussel *Mytilus edulis*. I. Field study **90**, 425 (1986)

Amiard-Triquet, C., see Amiard, J.C. **90**, 425 (1986)

Amiard-Triquet, C., see Devineau, J. **86**, 139 (1985)

Ammerman, J.W., see Koike, I., et al. **74**, 161 (1983)

Amouroux, J.M.: Preliminary study on the consumption of dissolved organic matter (exudates) of bacteria and phytoplankton by the marine bivalve *Venus verrucosa* **82**, 109 (1984)

Amouroux, J.M.: Comparative study of the carbon cycle in *Venus verrucosa* fed on bacteria and phytoplankton. I. Consumption of bacteria (*Lactobacillus* sp.) **90**, 237 (1986)

Andersen, R.J., see Trick, C.G., et al. **75**, 9 (1983)

Andersen, T.K., Jensen, M.H., Sørensen, J.: Diurnal variation of nitrogen cycling in coastal, marine sediments. I. Denitrification **83**, 171 (1984)

Anderson, D.M., Chisholm, S.W., Watras, C.J.: Importance of life cycle events in the population dynamics of *Gonyaulax tamarensis* **76**, 179 (1983)

Anderson, D.T., see Otway, N.M. **85**, 171 (1985)

Anderson, J.W., see Pinto, J.M., et al. **83**, 193 (1984)

Anderson, O.R., Botfield, M.: Biochemical and fine structure evidence for cellular specialization in a large spumellarian radiolarian *Thalassicolla nucleata* **72**, 235 (1983)

Anderson, O.R., Swanberg, N.R., Bennett, P.: Assimilation of symbiont-derived photosynthates in some solitary and colonial radiolaria **77**, 265 (1983)

Anderson, O.R., Swanberg, N.R., Bennett, P.: An estimate of predation rate and relative preference for algal versus crustacean prey by a spongiose skeletal radiolarian **78**, 205 (1984)

Andrews, M., see Davison, I.R., et al. **84**, 207 (1984)

Aneer, G., Florell, G., Kautsky, U., Nellbring, S., Sjöstedt, L.: *In-situ* observations of Baltic herring *(Clupea harengus membras)* spawning behaviour in the Askö-Landsort area, northern Baltic proper **74**, 105 (1983)

Anger, K.: Changes of respiration and biomass of spider crab *(Hyas araneus)* larvae during starvation **90**, 261 (1986)
Anger, K., see Jacobi, C.C. **87**, 173 (1985)
Antezana, T., see Morales, C. **77**, 79 (1983)
Apts, C.W., see Hardy, J.T. **82**, 293 (1984)
Arfi, R., see Patriti, G., et al. **82**, 135 (1984)
Armstrong, D.A., see Incze, L.S., et al. **84**, 93 (1984)
Armstrong, D.A., see Stevens, B.G., et al. **72**, 135 (1982)
Arnaud, P.M., see Miquel, J.C., et al. **89**, 263 (1985)
Arneson, A.C., see Meyer, D.L., et al. **78**, 179 (1984)
Arneson, A.C., see Nealson, K.H., et al. **83**, 185 (1984)
Arp, A.J., see Childress, J.J., et al. **83**, 109 (1984)
Asakawa, M, see Yokote, M., et al. **88**, 295 (1985)
Ashkenas, L.R., see Menge, B.A., et al. **77**, 129 (1983)
Aspden, K.R.H., see Seliger, H.H., et al. **71**, 57 (1982)
Astthorsson, O.S., Ralph, R.: Growth and moulting of *Neomysis integer* (Crustacea: Mysidacea) **79**, 55 (1984)
Attramadal, Y.G., see Johnson, S.B. **71**, 11 (1982)
Aujero, E.J., see Gacutan, R.Q., et al. **87**, 223 (1985)
Avian, M., see Rottini Sandrini, L. **74**, 169 (1983)
Ayre, D.J., Resing, J.M.: Sexual and asexual production of planulae in reef corals **90**, 187 (1986)

B

Babb, I.G., see Vadas, R.L., et al. **90**, 433 (1986)
Babcock, R.C., Bull, G.D., Harrison, P.L., Heyward, A.J., Oliver, J.K., Wallace, C.C., Willis, B.L.: Synchronous spawnings of 105 scleractinian coral species on the Great Barrier Reef **90**, 379 (1986)
Babcock, R.C., see Heyward, A.J. **90**, 191 (1986)
Bacic, A., see McConville, M.J., et al. **90**, 371 (1986)
Backus, R.H., see Wiebe, P.H., et al. **87**, 313 (1985)
Baguet, F., Piccard, J., Christophe, B., Marechal, G.: Bioluminescence and luminescent fish in the Strait of Messina from the mesoscaph "Forel" **74**, 221 (1983)
Bahnweg, G., see Ulken, A., et al. **85**, 89 (1985)
Bailey, K.M.: Comparison of laboratory rates of predation on five species of marine fish larvae by three planktonic invertebrates: effects of larval size on vulnerability **79**, 303 (1984)
Bailey, K.M., Batty, R.S.: A laboratory study of predation by *Aurelia aurita* on larval herring *(Clupea harengus)*: experimental observations compared with model predictions **72**, 295 (1983)
Bailey, K.M., Batty, R.S.: Laboratory study of predation by *Aurelia aurita* on larvae of cod, flounder, plaice and herring: development and vulnerability to capture **83**, 287 (1984)
Bak, R.P.M.: Neoplasia, regeneration and growth in the reefbuilding coral *Acropora palmata* **77**, 221 (1983)
Ballantyne, J.S., Moon, T.W.: Hepatopancreas mitochondria from *Mytilus edulis*: substrate preferences and effects of pH and osmolarity **87**, 239 (1985)
Bamber, R.N.: Pozzolanic aggregates of fly ash in the sea **77**, 151 (1983)
Båmstedt, U.: Diel variations in the nutritional physiology of *Calanus glacialis* from Lat. 78° N in the summer **79**, 257 (1984)
Båmstedt, U., Tande, K.S.: Respiration and excretion rates of *Calanus glacialis* in arctic waters of the Barents Sea **87**, 259 (1985)
Båmstedt, U., see Tande, K.S. **87**, 251 (1985)
Barber, B.J., Blake, N.J.: Substrate catabolism related to reproduction in the bay scallop *Argopecten irradians concentricus*, as determined by O/N and RQ physiological indexes **87**, 13 (1985)
Barber, V., see Wiebe, P.H., et al. **87**, 313 (1985)
Bardwell, S.J., see Grigg, H., et al. **88**, 73 (1985)
Barker Jørgensen, B., see Sand-Jensen, K., et al. **89**, 55 (1985)
Barker Jørgensen, C.: Patterns of uptake of dissolved amino acids in mussels *(Mytilus edulis)* **73**, 177 (1983)
Barlow, R.G., Alberte, R.S.: Photosynthetic characteristics of phycoerythrin-containing marine *Synechococcus* spp. I. Responses to growth photon flux density **86**, 63 (1985)
Barnett, M.A.: Species structure and temporal stability of mesopelagic fish assemblages in the Central Gyres of the North and South Pacific Ocean **74**, 245 (1983)
Barnett, M.A.: Mesopelagic fish zoogeography in the central tropical and subtropical Pacific Ocean: species composition and structure at representative locations in three ecosystems **82**, 199 (1984)
Barthel, K.-G.: Food uptake and growth efficiency of *Eurytemora affinis* (Copepoda: Calanoida) **74**, 269 (1983)
Barthel, K.-G., see Huntley, M.E., et al. **74**, 151 (1983)
Battey, J.F., Patton, J.S.: A reevaluation of the role of glycerol in carbon translocation in zooxanthellae-coelenterate symbiosis **79**, 27 (1984)
Battey, J.F., see Patton, J.S., et al. **75**, 121 (1983)
Batty, R.S.: Observation of fish larvae in the dark with television and infra-red illumination **76**, 105 (1983)
Batty, R.S., see Bailey, K.M. **72**, 295 (1983)
Batty, R.S., see Bailey, K.M. **83**, 287 (1984)
Baxter, J.M.: Annual variations in soft-body dry weight, reproductive cycle and sex ratios in populations of *Patella vulgata* at adjacent sites in the Orkney Islands **76**, 149 (1983)
Bayne, B.L., see Hawkins, A.J.S. **82**, 233 (1984)
Bayne, B.L., see Hawkins, A.J.S., et al. **74**, 41 (1983)
Beamish, F.W.H.: Swimming performance of three southwest Pacific fishes **79**, 311 (1984)
Beasley, T.M., see Kendall, A.W., Jr., et al. **75**, 193 (1983)
Beaumont, A.R., Beveridge, C.M.: Electrophoretic survey of genetic variation in *Pecten maximus, Chlamys opercularis, C. varia* and *C. distorta* from the Irish Sea **81**, 299 (1984)
Beaumont, A.R., Budd, M.D.: Delayed growth of mussel *(Mytilus edulis)* and scallop *(Pecten maximus)* veligers at low temperatures **71**, 97 (1982)
Beaumont, A.R., Budd, M.D.: Effects of self-fertilisation and other factors on the early development of the scallop *Pecten maximus* **76**, 285 (1983)
Beaumont, A.R., see Lane, D.J.W., et al. **84**, 301 (1985)
Bell, L.J., Moyer, J.T., Numachi, K.: Morphological and genetic variation in Japanese populations of the anemonefish *Amphiprion clarkii* **72**, 99 (1982)
Bell, S.S.: An experimental study of the relationship between below-ground structure and meiofauna' taxa **76**, 33 (1983)
Bell, S.S., see Kern, J.C. **84**, 53 (1984)
Bellwood, D.R., see Choat, J.H. **89**, 221 (1985)
Benitez, L.V., Tiro, L.B.: Studies on the digestive proteases of the milkfish *Chanos chanos* **71**, 309 (1982)
Bennett, J.T., Boehlert, G.W., Turekian, K.K.: Confirmation of longevity in *Sebastes diploproa* (Pisces: Scorpaenidae) from $^{210}Pb/^{226}Ra$ measurements in otoliths **71**, 209 (1982)
Bennett, P., see Anderson, O.R., et al. **77**, 265 (1983)
Bennett, P., see Anderson, O.R., et al. **78**, 205 (1984)
Benović, A, Fonda-Umani, S., Malej, A., Specchi, M.: Net-zooplankton biomass of the Adriatic Sea **79**, 209 (1984)
Benson, M.R., see Norton, T.A. **75**, 169 (1983)
Bensoussan, M.G., Scoditti, P.-M., Bianchi, A.J.M.: Bacterial flora from echinoderm guts and associated sediment in the abyssal Vema Fault **79**, 1 (1984)
Bentley, M.G., see Olive, P.J.W., et al. **88**, 235 (1985)
Berglund, A., Lagercrantz, U.: Genetic differentiation in populations of two *Palaemon* prawn species at the Atlantic east coast: does gene flow prevent local adaptation? **77**, 49 (1983)
Berman, M.S., see Jeffries, H.P., et al. **78**, 329 (1984)
Berthet, B., see Amiard, J.C. **90**, 425 (1986)
Bertrand, J.C., see Gilewicz, M., et al. **80**, 155 (1984)

Bertrand, J.C., see Rambeloarisoa, E., et al. **83**, 69 (1984)
Best, M.A., Thorpe, J.P.: Effects of particle concentration on clearance rate and feeding current velocity in the marine bryozoan *Flustrellidra hispida* **77**, 85 (1983)
Best, M.A., Thorpe, J.P.: Autoradiographic study of feeding and the colonial transport of metabolites in the marine bryozoan *Membranipora membranacea* **84**, 295 (1985)
Beukema, J.J., Meehan, B.W.: Latitudinal variation in linear growth and other shell characteristics of *Macoma balthica* **90**, 27 (1985)
Beveridge, C.M., see Beaumont, A.R. **81**, 299 (1984)
Bhaud, M., see Michel, C., et al. **83**, 17 (1984)
Bianchi, A., see Tagger, S., et al. **78**, 13 (1983)
Bianchi, A.J.M., see Bensoussan, M.G., et al. **79**, 1 (1984)
Bienfang, P.K., Harrison, P.J.: Sinking-rate response of natural assemblages of temperate and subtropical phytoplankton to nutrient depletion **83**, 293 (1984)
Bienfang, P.K., Takahashi, M.: Ultraplankton growth rates in a subtropical ecosystem **76**, 213 (1983)
Bienfang, P.K., see Takahashi, M. **76**, 203 (1983)
Bigger, C.H., see Jokiel, P.L., et al. **71**, 135 (1982)
Biggley, W.H., see Seliger, H.H., et al. **71**, 57 (1982)
Billet, D.S.M., see Tyler, P.A., et al. **89**, 71 (1985)
Binet, D.: Copépodes planctoniques du lagon de Nouvelle-Calédonie: facteurs écologiques et associations d'espèces. [Planktonic copepods in the lagoon of New Caledonia: ecological factors and species assemblages] **82**, 143 (1984)
Binet, D.: Essai d'utilisation de la diversité spécifique dans l'analyse des communautés de copépodes planctoniques du lagon de Nouvelle-Calédonie. [Attempt to use specific diversity in the analysis of planktonic copepod communities in the New Caledonian lagoon] **88**, 85 (1985)
Birkbeck, T.H., McHenery, J.G.: Degradation of bacteria by *Mytilus edulis* **72**, 7 (1982)
Birkbeck, T.H., see McHenery, J.G., et al. **75**, 57 (1983)
Bishop, S.S., see Yoder, J.A. **90**, 87 (1985)
Bivins, L., see Jeffries, H.P., et al. **78**, 329 (1984)
Bjerregaard, P., see Fisher, N.S., et al. **75**, 261 (1983)
Black, C.C., Burris, J.E.: Diurnal carbon-14 partitioning between zooxanthellae and the coral animal tissue of intact *Seriatopora hystrix* colonies **75**, 117 (1983)
Black, C.C., see Patton, J.S., et al. **75**, 121 (1983)
Black, R., Johnson, M.S., Trendall, J.T.: Relative size of Aristotle's lantern in *Echinometra mathaei* occurring at different densities **71**, 101 (1982)
Black, R., see Johnson, M.S. **79**, 295 (1984)
Blackburn, T.H., see Christensen, D. **71**, 113 (1982)
Blackstock, J., Filion-Myklebust, C.: Environmental and biochemical investigation of some effects of organic pollution in inner Oslofjord, Norway **73**, 155 (1983)
Blake, N.J., see Barber, B.J. **87**, 13 (1985)
Blanchier, B., Boucaud-Camou, E.: Lipids in the digestive gland and the gonad of immature and mature *Sepia officinalis* (Mollusca: Cephalopoda) **80**, 39 (1984)
Blaxter, J.H.S., Danielssen, D., Moksness, E., Øiestad, V.: Description of the early development of the halibut *Hippoglossus hippoglossus* and attempts to rear the larvae past first feeding **73**, 99 (1983)
Blundon, J.A., Vermeij, G.J.: Effect of shell repair on shell strength in the gastropod *Littorina irrorata* **76**, 41 (1983)
Boak, A.C., Goulder, R.: Bacterioplankton in the diet of the calanoid copepod *Eurytemora* sp. in the Humber Estuary **73**, 139 (1983)
Bodiou, J.Y., see Tito de Morais, L. **82**, 209 (1984)
Boehlert, G.W., see Bennett, J.T., et al. **71**, 209 (1982)
Boehm, P.D., see Elmgren, R., et al. **73**, 51 (1983)
Boesch, D.F., see Alongi, D.M., et al. **72**, 325 (1983)
Boggs, J.A., see Seliger, H.H., et al. **71**, 57 (1982)
Bohrer, R.N., see Runge, J.A., et al. **86**, 241 (1985)
Bolton, J.J.: Ecoclinal variation in *Ectocarpus siliculosus* (Phaeophyceae) with respect to temperature growth optima and survival limits **73**, 131 (1983)
Bolton, J.J., Levitt, G.J.: Light and temperature requirements for growth and reproduction in gametophytes of *Ecklonia maxima* (Alariaceae: Laminariales) **87**, 131 (1985)
Bonnet, P., see Sire, J.-Y. **79**, 75 (1984)
Borchardt, T.: Influence of food quantity on the kinetics of cadmium uptake and loss via food and seawater in *Mytilus edulis* **76**, 67 (1983)
Borchardt, T.: Relationships between carbon and cadmium uptake in *Mytilus edulis* **85**, 233 (1985)
Borowitzka, L.J., see Mackay, M.A., et al. **73**, 301 (1983)
Borowsky, B.: Reproductive behavior of three tube-building peracarid crustaceans: the amphipods *Jassa falcata* and *Ampithoe valida* and the tanaid *Tanais cavolinii* **77**, 257 (1983)
Borowsky, B.: Effects of receptive females' secretions on some male reproductive behaviors in the amphipod crustacean *Microdeutopus gryllotalpa* **84**, 183 (1984)
Borum, J.: Development of epiphytic communities on eelgrass *(Zostera marina)* along a nutrient gradient in a Danish estuary **87**, 211 (1985)
Botfield, M., see Anderson, O.R. **72**, 235 (1983)
Botton, M.L.: Diet and food preferences of the adult horseshoe crab *Limulus polyphemus* in Delaware Bay, New Jersey, USA **81**, 199 (1984)
Bouain, A., Siau, Y.: Observations on the female reproductive cycle and fecundity of three species of groupers *(Epinephelus)* from the southeast Tunisian seashores **73**, 211 (1983)
Boucaud-Camou, E., see Blanchier, B. **80**, 39 (1984)
Boucher, J., see Gaudy, R. **75**, 37 (1983)
Boucher-Rodoni, R., Mangold, K.: Ammonia excretion during feeding and starvation in *Octopus vulgaris* **86**, 193 (1985)
Boudreau, C.-A., see Legendre, L., et al. **88**, 301 (1985)
Boumati, P., see Michel, C., et al. **83**, 17 (1984)
Bowden, B.F., see Coll, J.C., et al. **74**, 35 (1983)
Bowmer, T., Keegan, B.F.: Field survey of the occurrence and significance of regeneration in *Amphiura filiformis* (Echinodermata: Ophiuroidea) from Galway Bay, west coast of Ireland **74**, 65 (1983)
Bowmer, T., see O'Connor, B., et al. **75**, 279 (1983)
Boyer, I.C., see Kaspar, H.F., et al. **85**, 127 (1985)
Boyle, P.R., Thorpe, R.S.: Optic gland enlargement and female gonad maturation in a population of the octopus *Eledone cirrhosa:* a multivariate analysis **79**, 127 (1984)
Boysen, E., Buchholz, F.: *Meganyctiphanes norvegica* in the Kattegat. Studies on the annual development of a pelagic population **79**, 195 (1984)
Brace, R.C., see Quicke, D.L.J., et al. **77**, 29 (1983)
Bradley, A.M., see Wiebe, P.H., et al. **87**, 313 (1985)
Braeckman, A., see Verschraegen, K., et al. **86**, 233 (1985)
Brancato, M.S., Woollacott, R.M.: Effect of microbial films on settlement of bryozoan larvae *(Bugula simplex, B. stolonifera* and *B. turrita)* **71**, 51 (1982)
Brand, G.W.: Effect of crowding on larval viability in *Tisbe holothuriae* (Copepoda: Harpacticoida) **88**, 67 (1985)
Brand, G.W., see Ahsanullah, M. **89**, 245 (1985)
Brandt, S.B.: Temporal and spatial patterns of lanternfish (family Myctophidae) communities associated with a warm-core eddy **74**, 231 (1983)
Branica, M., see Martinčić, D., et al. **81**, 177 (1984)
Bratkovich, A., see Nealson, K.H., et al. **83**, 185 (1984)
Brault, S., see Koslow, J.A., et al. **86**, 113 (1985)
Bray, R.D., see Lewis, J.B. **73**, 171 (1983)
Bray, R.N., Purcell, L.J., Miller, A.C.: Ammonium excretion in a temperate-reef community by a planktivorous fish,

Chromis punctipinnis (Pomacentridae), and potential uptake by young giant kelp, *Macrocystis pyrifera* (Laminariales) **90**, 327 (1986)
Brewer, G.D., Kleppel, G.S., Dempsey, M.: Apparent predation on ichthyoplankton by zooplankton and fishes in nearshore waters of southern California **80**, 17 (1984)
Bricelj, V.M., Malouf, R.E.: Influence of algal and suspended sediment concentrations on the feeding physiology of the hard clam *Mercenaria mercenaria* **84**, 155 (1984)
Bricelj, V.M., Malouf, R.E., Quillfeldt, C. de: Growth of juvenile *Mercenaria mercenaria* and the effect of resuspended bottom sediments **84**, 167 (1984)
Bright, T.J., see Kendall, J.J., Jr., et al. **87**, 33 (1985)
Bright, T.J., see Powell, E.N., et al. **73**, 269 (1983)
Brix, H., Lyngby, J.E.: Uptake and translocation of phosphorus in eelgrass *(Zostera marina)* **90**, 111 (1985)
Brockmann, U.H., see Hammer, K.D. **74**, 305 (1983)
Brooks, E.R., see Huntley, M. **71**, 23 (1982)
Brotas, V., see Catarino, F., et al. **89**, 37 (1985)
Brothers, E.B., Williams, D.McB., Sale, P.F.: Length of larval life in twelve families of fishes at "One Tree Lagoon", Great Barrier Reef, Australia **76**, 319 (1983)
Brown, B.E., see Howard, L.S. **78**, 87 (1983)
Brown, N.O., see Smith, K.L., Jr., **76**, 325 (1983)
Brown, S.T., see Klimley, A.P. **74**, 175 (1983)
Buchholz, F., see Boysen, E. **79**, 195 (1984)
Buckley, L.J.: RNA-DNA ratio: an index of larval fish growth in the sea **80**, 291 (1984)
Bucklin, A., Hedgecock, D., Hand, C.: Genetic evidence of self-fertilization in the sea anemone *Epiactis prolifera* **84**, 175 (1984)
Bucklin, A., Marcus, N.H.: Genetic differentiation of populations of the planktonic copepod *Labidocera aestiva* **84**, 219 (1985)
Budd, M.D., see Beaumont, A.R. **71**, 97 (1982)
Budd, M.D., see Beaumont, A.R. **76**, 285 (1983)
Bull, C.M., see Chilton, N.B. **83**, 163 (1984)
Bull, G.D., see Babcock, R.C., et al. **90**, 379 (1986)
Bulnheim, H.-P., Scholl, A.: Polymorphism of mannose phosphate isomerase in North Sea and Baltic Sea populations of the amphipods *Gammarus zaddachi* and *G. salinus* **71**, 163 (1982)
Bultman, J.D., see Zachary, A., et al. **75**, 1 (1983)
Burfitt, A.H., see Ekaratne, K., et al. **71**, 257 (1982)
Burgh, M.E. de, Singla, C.L.: Bacterial colonization and endocytosis on the gill of a new limpet species from a hydrothermal vent **84**, 1 (1984)
Buroker, N.E.: Population genetics of the American oyster *Crassostrea virginica* along the Atlantic coast and the Gulf of Mexico **75**, 99 (1983)
Buroker, N.E., Chanley, P., Cranfield, H.J., Dinamani, P.: Systematic status of two oyster populations of the genus *Tiostrea* from New Zealand and Chile **77**, 191 (1983)
Burris, J.E., Porter, J.W., Laing, W.A.: Effects of carbon dioxide concentration on coral photosynthesis **75**, 113 (1983)
Burris, J.E., see Black, C.C. **75**, 117 (1983)
Burris, J.E., see Patton, J.S., et al. **75**, 121 (1983)
Burris, J.E., see Patton, J.S. **75**, 131 (1983)
Burris, R.H.: Uptake and assimilation of $^{15}NH_4^+$ by a variety of corals **75**, 151 (1983)
Burton, R.S.: Mating system of the intertidal copepod *Tigriopus californicus* **86**, 247 (1985)
Buskey, E., see Sullivan, B.K., et al. **77**, 299 (1983)
Buskey, E.J.: Swimming pattern as an indicator of the roles of copepod sensory systems in the recognition of food **79**, 165 (1984)
Butler, A.J., see King, M.G. **86**, 129 (1985)

C

Cahet, G., Sibuet, M.: Activité biologique en domaine profond: transformations biochimiques *in situ* de composés organiques marqués au carbone-14 à l'interface eau-sédiment par 2000 m de profondeur dans le golfe de Gascogne. [Deep-sea biological activity: *in situ* biochemical transformation of organic matter labelled with carbon-14 at the water-sediment interface at 2000 m depth in the Bay of Biscay] **90**, 307 (1986)
Calder, A.G., see Sargent, J.R., et al. **72**, 257 (1983)
Caldwell, B.A., see Griffiths, R.P., et al. **71**, 121 (1982)
Calumpong, H., see Pauly, D. **79**, 289 (1984)
Cameron, R.A., Rumrill, S.S.: Larval abundance and recruitment of the sand dollar *Dendraster excentricus* in Monterey Bay, California, USA **71**, 197 (1982)
Cameron, R.A., see Rumrill, S.S. **72**, 243 (1983)
Campana, S.E.: Lunar cycles of otolith growth in the juvenile starry flounder *Platichthys stellatus* **80**, 239 (1984)
Canino, M.F., see Kremer, P., et al. **90**, 403 (1986)
Capriulo, G.M.: Feeding of field collected tintinnid micro-zooplankton on natural food **71**, 73 (1982)
Capuzzo, J.M., see Cetta, C.M. **71**, 327 (1982)
Cardinal, A., see Poulin, M., et al. **76**, 191 (1983)
Carles, D., see Gilewicz, M., et al. **80**, 155 (1984)
Carlsson, K.-H., see Gäde, G. **79**, 39 (1984)
Carlsson, K.-H., see Gäde, G., et al. **80**, 49 (1984)
Carlucci, A.F., Craven, D.B. Henrichs, S.M.: Surface-film microheterotrophs: amino acid metabolism and solar radiation effects on their activities **85**, 13 (1985)
Carman, K.R., Thistle, D.: Microbial food partitioning by three species of benthic copepods **88**, 143 (1985)
Carpenter, E.J., see Chang, J. **89**, 83 (1985)
Carpenter, R., see Kendall, A.W., Jr., et al. **75**, 193 (1983)
Carpenter, R.C.: Predator and population density control of homing behavior in the Caribbean echinoid *Diadema antillarum* **82**, 101 (1984)
Carvalho, F.P., Fowler, S.W.: Biokinetics of plutonium, americium and californium in the marine isopod *Cirolana borealis*, with observations on its feeding and molting behavior **89**, 173 (1985)
Carvalho, F.P., Fowler, S.W., La Rosa, J.: Assimilation, inter-organ transfer and excretion of americium in two teleost fish **77**, 59 (1983)
Carvalho, F.P., see Galey, J., et al. **75**, 253 (1983)
Caspers, H.: Spawning periodicity and habitat of the palolo worm *Eunice viridis* (Polychaeta: Eunicidae) in the Samoan Islands **79**, 229 (1984)
Castagna, M., see Wright, D.A., et al. **77**, 271 (1983)
Castilla, J.C., see Guisado, Ch. **78**, 99 (1983)
Catarino, F., Tenhunen, J.D., Brotas, V., Lange, O.L.: Application of CO_2-porometer methods to assessment of components of photosynthetic production in estuarine ecosystems **89**, 37 (1985)
Catterall, C.P., Poiner, I.R.: Age- and sex-dependent patters of aggregation in the tropical gastropod *Strombus luhuanus* **77**, 171 (1983)
Cau, A., Manconi, P.: Relationship of feeding, reproductive cycle and bathymetric distribution in *Conger conger* **81**, 147 (1984)
Caye, G., Rossignol, M.: Etude des variations saisonnières de la croissance des feuilles et des racines de *Posidonia oceanica*. [Study of seasonal variations in the growth of leaves and roots of *Posidonia oceanica*] **75**, 79 (1983)
Cayré, P., Laloë, F.: Review of the Gonad Index (GI) and an introduction to the concept of its "critical value": application to the skipjack tuna *Katsuwonus pelamis* in the Atlantic Ocean **90**, 345 (1986)
Cellario, C., see Fenaux, L., et al. **86**, 151 (1985)
Cetta, C.M., Capuzzo, J.M.: Physiological and biochemical aspects of embryonic and larval development of the winter flounder *Pseudopleuronectes americanus* **71**, 327 (1982)
Champalbert, G., see Patriti, G., et al. **82**, 135 (1984)
Chandler, G.T., Fleeger, J.W.: Tube-building by a marine meiobenthic harpacticoid copepod **82**, 15 (1984)

Chang, J., Carpenter, E.J.: Blooms of the dinoflagellate *Gyrodinium aureolum* in a Long Island estuary: box model analysis of bloom maintenance **89**, 83 (1985)
Chang, S.C., see Pechenik, J.A., et al. **78**, 223 (1984)
Chang, S.S., Prézelin, B.B., Trench, R.K.: Mechanisms of photoadaptation in three strains of the symbiotic dinoflagellate *Symbiodinium microadriaticum* **76**, 219 (1983)
Chanley, P., see Buroker, N.E., et al. **77**, 191 (1983)
Chapman, A.R.O., see Espinoza, J. **74**, 213 (1983)
Chapman, A.R.O., see Probyn, T.A. **71**, 129 (1982)
Chapman, A.R.O., see Rice, E.L. **71**, 107 (1982)
Chapman, A.R.O., see Rice, E.L., et al. **88**, 207 (1985)
Chapman, H.F., see Coates, M., et al. **81**, 87 (1984)
Chelazzi, G., Focardi, S., Deneubourg, J.L.: A comparative study on the movement patterns of two sympatric tropical chitons (Mollusca: Polyplacophora) **74**, 115 (1983)
Chen, C.-P., see Dawes, C.J., et al. **78**, 325 (1984)
Cheng, L., Harrison, C.S.: Seabird predation on the sea-skater *Halobates sericeus* (Heteroptera: Gerridae) **72**, 303 (1983)
Cheng, L., Schulz-Baldes, M., Harrison, C.S.: Cadmium in ocean-skaters, *Halobates sericeus* (Insecta), und in their seabird predators **79**, 321 (1984)
Cheng, L., see Alberte, R.S., et al. **90**, 575 (1986)
Chesney, E.J., Jr.: Laboratory studies of the effect of predation on production and the production:biomass ratio of the opportunistic polychaete *Capitella capitata* (Type I) **87**, 307 (1985)
Chesney, E.J., Jr., Tenore, K.R.: Effects of predation and disturbance on the population growth and dynamics of the polychaete *Capitella capitata* (Type I) **85**, 77 (1985)
Chia, F.S., see McEuen, F.S., et al. **76**, 301 (1983)
Chia, F.S., see Mladenov, P.V. **73**, 309 (1983)
Chia, F.-S., see Young, C.M. **81**, 61 (1984)
Childress, J.J., Arp, A.J., Fisher, C.R. Jr.: Metabolic and blood characteristics of the hydrothermal vent tube-worm *Riftia pachyptila* **83**, 109 (1984)
Childress, J.J., Price, M.H.: Growth rate of the bathypelagic crustacean *Gnathophausia ingens* (Mysidacea: Lophogastridae). II. Accumulation of material and energy **76**, 165 (1983)
Childress, J.J., see Hiller-Adams, P. **77**, 119 (1983)
Childress, J.J., see Torres, J.J. **74**, 79 (1983)
Childress, J.J., see Torres, J.J. **87**, 267 (1985)
Chilton, N.B., Bull, C.M.: Influence of predation by a crab on the distribution of the size-groups of three intertidal gastropods in South Australia **83**, 163 (1984)
Chisholm, S.W., see Anderson, D.M., et al. **76**, 179 (1983)
Choat, J.H., Bellwood, D.R.: Interactions amongst herbivorous fishes on a coral reef: influence of spatial variation **89**, 221 (1985)
Christensen, D., Blackburn, T.H.: Turnover of ^{14}C-labelled acetate in marine sediments **71**, 113 (1982)
Christian, R.R., see Hodson, R.E., et al. **81**, 1 (1984)
Christiansen, M.E., Gosling, E., Williams, M.A.: Effect of the insect growth regulator diflubenzuron (Dimilin®) on the uptake of glucose and N-acetylglucosamine into the cuticle of crab larvae **83**, 225 (1984)
Christophe, B., see Baguet, F., et al. **74**, 221 (1983)
Chrystal, P.J., Potter, I.C., Loneragan, N.R., Holt, C.P.: Age structure, growth rates, movement patterns and feeding in an estuarine population of the cardinalfish *Apogon rueppellii* **85**, 185 (1985)
Chrystal, P.J., see Potter, I.C., et al. **78**, 75 (1983)
Clarke, A., Skadsheim, A., Holmes, L.J.: Lipid biochemistry and reproductive biology in two species of Gammaridae (Crustacea: Amphipoda) **88**, 247 (1985)
Clarke, A.E., see McConville, M.J., et al. **90**, 371 (1986)
Clarke, K.R., see Hawkins, A.J.S., et al. **74**, 41 (1983)
Clarke, K.R., see Widdows, J., et al. **76**, 109 (1983)
Clarke, M.R., see Offredo, C., et al. **86**, 199 (1985)
Clarke, T.A.: Sex ratios and sexual differences in size among mesopelagic fishes from the central Pacific Ocean **73**, 203 (1983)
Clayton, J.R. Jr., see Dortch, Q., et al. **81**, 237 (1984)
Coates, M., Chapman, H.F., Connell, D.W.: Effects of grazing by deposit feeders on biogenic hydrocarbons in coral-reef surface sediments **81**, 87 (1984)
Coffroth, M.A., see Lasker, H.R., et al. **73**, 73 (1983)
Cole, K.S.: Social spacing in the temperate marine goby *Coryphopterus nicholsi* **80**, 307 (1984)
Colebrook, J.M.: Continuous plankton records: relationships between species of phytoplankton and zooplankton in the seasonal cycle **83**, 313 (1984)
Colebrock, J.M.: Continuous plankton records: overwintering and annual fluctuations in the abundance of zooplankton **84**, 261 (1985)
Coll, J.C., Tapiolas, D.M., Bowden, B.F., Webb, L., Marsh, H.: Transformation of soft coral (Coelenterata: Octocorallia) terpenes by *Ovula ovum* (Mollusca: Prosobranchia) **74**, 35 (1983)
Coll, J.C., see La Barre, S. **72**, 119 (1982)
Collins, N.R., see Williams, R. **80**, 197 (1984)
Collins, N.R., see Williams, R. **85**, 97 (1985)
Colman, R.S., Crenshaw, H.C., Meyer, D.L., Strickler, J.R.: A non-motorized dye ejector for visualization of flow *in situ* and its use with coral reef crinoids **83**, 125 (1984)
Colodey, A.G., see Miller, R.J. **73**, 263 (1983)
Commito, J.A., Shrader, P.B.: Benthic community response to experimental additions of the polychaete *Nereis virens* **86**, 101 (1985)
Conneely, M.E., see O'Foighil, D., et al. **81**, 283 (1984)
Connell, D.W., see Coates, M., et al. **81**, 87 (1984)
Connor, S.J., see Kendall, J.J., Jr., et al. **87**, 33 (1985)
Conrad, J., see Müller, W.E.G., et al. **76**, 1 (1983)
Conway, D.V.P., see Williams, R. **79**, 63 (1984)
Conway, H.L., see Dortch, Q. **79**, 151 (1984)
Cook, C.B., Knap, A.H.: Effects of crude oil and chemical dispersant on photosynthesis in the brain coral *Diploria strigosa* **78**, 21 (1983)
Copping, A.E., see Welschmeyer, N.A., et al. **83**, 263 (1984)
Corkett, C.J., see Runge, J.A., et al. **86**, 241 (1985)
Corner, E.D.S., see Nott, J.A., et al. **89**, 271 (1985)
Cosper, C.I., Vining, L.C., Ackman, R.G.: Sources of cyclopropanoid fatty acids in the mummichog *Fundulus heteroclitus* **78**, 139 (1984)
Cossa, D., Rondeau, J.-G.: Seasonal, geographical and size-induced variability in mercury content of *Mytilus edulis* in an estuarine environment: a re-assessment of mercury pollution level in the Estuary and Gulf of St. Lawrence **88**, 43 (1985)
Costelloe, J.: The annual reproductive cycle of the holothurian *Aslia lefevrei* (Dendrochirota: Echinodermata) **88**, 155 (1985)
Costelloe, J., Keegan, B.F.: Feeding and related morphological structures in the dendrochirote *Aslia lefevrei* (Holothuroidea: Echinodermata) **84**, 135 (1984)
Costelloe, M., see O'Foighil, D., et al. **81**, 283 (1984)
Côté, R., see De Ladurantaye, R., et al. **82**, 21 (1984)
Cowdell, R.A., see Fisher, N.S. **72**, 147 (1982)
Cowles, T.J.: Effects of exposure to sublethal concentrations of crude oil on the copepod *Centropages hamatus*. II. Activity patterns **78**, 53 (1983)
Cowles, T.J., Remillard, J.F.: Effects of exposure to sublethal concentrations of crude oil on the copepod *Centropages hamatus*. I. Feeding and egg production **78**, 45 (1983)
Cowles, T.J., see Wiebe, P.H., et al. **87**, 313 (1985)
Cox, G.C., Hiller, R.G., Larkum, A.W.D.: An unusual cyanophyte, containing phy-

courobilin and symbiotic with ascidians and sponges **89**, 149 (1985)
Craddock, J.E., see Wiebe, P.H., et al. **87**, 313 (1985)
Craik, J.C.A., Harvey, S.M.: Phosphorus metabolism and water uptake during final maturation of ovaries of teleosts with pelagic and demersal eggs **90**, 285 (1986)
Cranfield, H.J., see Buroker, N.E., et al. **77**, 191 (1983)
Craven, D.B., Karl, D.M.: Microbial RNA and DNA synthesis in marine sediments **83**, 129 (1984)
Craven, D.B., see Carlucci, A.F., et al., **85**, 13 (1985)
Crecelius, E.A., see Roesijadi, G. **83**, 155 (1984)
Creese, R.G., see Fletcher, W.J. **86**, 183 (1985)
Crenshaw, H., see Sammarco, P.W. **82**, 167 (1984)
Crenshaw, H.C., see Colman, R.S., et al. **83**, 125 (1984)
Criddle, K.R., see Al-Hassan, J.M., et al. **88**, 117 (1985)
Criddle, R.S., see Al-Hassan, J.M., et al. **88**, 117 (1985)
Crisp, D.J., see Ekaratne, K., et al. **71**, 257 (1982)
Crow, S., see Gunkel, W., et al. **75**, 327 (1983)
Cucci, T.L., see Yentsch, C.M., et al. **89**, 9 (1985)
Cullen, J.J., see Eppley, R.W., et al. **80**, 207 (1984)
Cusimano, R., see Stevens, B.G., et al. **72**, 135 (1982)

D

Dagg, M.J.: A method for the determination of copepod feeding rates during short time intervals **75**, 63 (1983)
Dange, A.D.: Branchial Na^+-K^+-ATPase activity during osmotic adjustments in two freshwater euryhaline teleosts, tilapia *(Sarotherodon mossambicus)* and orange chromid *(Etroplus maculatus)* **87**, 101 (1985)
Danielssen, D., see Blaxter, J.H.S., et al. **73**, 99 (1983)
Danulat, E.: Role of bacteria with regard to chitin degradation in the digestive tract of the cod *Gadus morhua* **90**, 335 (1986)
Darley, W.M., see Whitney, D.E. **75**, 249 (1983)
Dauer, D.M.: Functional morphology and feeding behavior of *Scolelepis squamata* (Polychaeta: Spionidae) **77**, 279 (1983)
Dauer, D.M.: Functional morphology and feeding behavior of *Paraprionospio pinnata* (Polychaeta: Spionidae) **85**, 143 (1985)
Davies, J.M., Payne, R.: Supply of organic matter to the sediment in the northern North Sea during a spring phytoplankton bloom **78**, 315 (1984)
Davis, C.S.: Predatory control of copepod seasonal cycles on Georges Bank **82**, 31 (1984)
Davis, C.S.: Food concentrations on Georges Bank: non-limiting effect on development and survival of laboratory reared *Pseudocalanus* sp. and *Paracalanus parvus* (Copepoda: Calanoida) **82**, 41 (1984)
Davis, L.H., see Stoecker, D., et al. **75**, 293 (1983)
Davis, P.G., see Johnson, K.M., et al. **77**, 1 (1983)
Davison, I.R., Andrews, M., Stewart, W.D.P.: Regulation of growth in *Laminaria digitata:* use of *in-vivo* nitrate reductase activities as an indicator of nitrogen limitation in field populations of *Laminaria* spp. **84**, 207 (1984)
Davison, I.R., Stewart, W.D.P.: Occurrence and significance of nitrogen transport in the brown alga *Laminaria digitata* **77**, 107 (1983)
Dawes, C.J., Chen, C.-P., Jewett-Smith, J., Marsh, A., Watts, S.A.: Effect of phosphate and ammonium levels on phytosynthetic and respiratory responses of the red alga *Gracilaria verrucosa* **78**, 325 (1984)
Dawes, C.J., see Lapointe, B.E., et al. **80**, 161 (1984)
Dawes, C.J., see Lapointe, B.E., et al. **80**, 171 (1984)
Dawirs, R.R.: Respiratory metabolism of *Pagurus bernhardus* (Decapoda: Paguridae) megalopa **83**, 219 (1984)
Dawson, R., see Felbeck, H., et al. **75**, 187 (1983)
Dean, T.A., Jacobsen, F.R.: Growth of juvenile *Macrocystis pyrifera* (Laminariales) in relation to environmental factors **83**, 301 (1984)
Dean, T.A., Jacobsen, F.R.: Nutrient-limited growth of juvenile kelp, *Macrocystis pyrifera*, during the 1982–1984 "El Niño" in southern California **90**, 597 (1986)
Dean, T.A., Schroeter, S.C., Dixon, J.D.: Effects of grazing by two species of sea urchins *(Strongylocentrotus franciscanus* and *Lytechinus anamesus)* on recruitment and survival of two species of kelp *(Macrocystis pyrifera* and *Pterygophora californica)* **78**, 301 (1984)
DeBoer, J.A., Whoriskey, F.G.: Production and role of hyaline hairs in *Ceramium rubrum* **77**, 229 (1983)
Decleir, W., see Wolf, G., et al. **90**, 35 (1985)
Deecaraman, M., Subramoniam, T.: Mating and its effect on female reproductive physiology with special reference to the fate of male accessory sex gland secretion in the stomatopod *Squilla holoschista* **77**, 161 (1983)
DeFlaun, M., see Paul, J.H., et al. **90**, 95 (1985)
Deibel, D.: Clearance rates of the salp *Thalia democratica* fed naturally occurring particles **86**, 47 (1985)
De Ladurantaye, R., Therriault, J.-C., Lacroix, G., Côté, R.: Processus advectifs et répartition du zooplancton dans un fjord. [Advective processes and zooplankton distribution in a fjord] **82**, 21 (1984)
D'Elia, C.F., Domotor, S.L., Webb, K.L.: Nutrient uptake kinetics of freshly isolated zooxanthellae **75**, 157 (1983)
D'Elia, C.F., see Domotor, S.L. **80**, 93 (1984)
Demers, S., Therriault, J.-C., Descolas-Gros, C.: Biomasse et composition spécifique de la microflore des glaces saisonnières: influences de la lumière et de la vitesse de congélation. [Biomass and specific composition of the seasonal sea-ice microflora: influences of light and rate of freezing] **78**, 185 (1984)
Demers, S., see Legendre, L., et al. **88**, 301 (1985)
Dempsey, M., see Brewer, G.D., et al. **80**, 17 (1984)
Deneubourg, J.L., see Chelazzi, G., et al. **74**, 115 (1983)
Dennett, M.R., see Goldman, J.C. **76**, 7 (1983)
Dennett, M.R., see Goldman, J.C. **90**, 493 (1986)
Desbruyères, D., Gaill, F., Laubier, L., Prieur, D., Rau, G.H.: Unusual nutrition of the "Pompeii worm" *Alvinella pompejana* (polychaetous annelid) from a hydrothermal vent environment: SEM, TEM, ^{13}C and ^{15}N evidence **75**, 201 (1983)
Descolas-Gros, C., Fontugne, M.R.: Carbon fixation in marine phytoplankton: carboxylase activities and stable carbon-isotope ratios; physiological and paleoclimatological aspects **87**, 1 (1985)
Descolas-Gros, C., see Demers, S., et al. **78**, 185 (1984)
Deshpande, U.D., Nagabhushanam, R.: Seasonal changes in the biochemical composition of the chiton *Chiton iatricus* (Polyplacophora: Mollusca) and the marine pulmonate *Onchidium verruculatum* (Gastropoda: Mollusca) in relation to their reproductive cycles **72**, 227 (1983)
DesMarais, D.J., see Spies, R.B. **73**, 67 (1983)
Devineau, J., Amiard-Triquet, C.: Patterns of bioaccumulation of an essential trace element (zinc) and a pollutant metal (cadmium) in larvae of the prawn *Palaemon serratus* **86**, 139 (1985)
Diaz, R.J., see Alongi, D.M., et al. **72**, 325 (1983)
Dickie, L.M., see Mallet, A.L., et al. **87**, 165 (1985)
Diehl, W.J., Koehn, R.K.: Multiple-locus heterozygosity, mortality, and growth in a cohort of *Mytilus edulis* **88**, 265 (1985)
Dinamani, P., see Buroker, N.E., et al. **77**, 191 (1983)
Diouris, M., Floc'h, J.Y.: Long-distance transport of ^{14}C-labelled assimilates in the Fucales: directionality, pathway and velocity **78**, 199 (1984)
Dixon, J.D., see Dean, T.A., et al. **78**, 301 (1984)
Dizon, A.E., see Graves, J.E., et al. **79**, 315 (1984)

Dobbs, F.C., see Waslenchuk, D.G., et al. **72**, 219 (1983)
Do-Chi, T., see Miquel, J.C., et al. **89**, 263 (1985)
Dodge, R.E.: Effects of drilling mud on the reef building coral *Montastrea annularis* **71**, 141 (1982)
Dodge, R.E., Gilbert, T.R.: Chronology of lead pollution contained in banded coral skeletons **82**, 9 (1984)
Doherty, P.J.: Diel, lunar and seasonal rhythms in the reproduction of two tropical damselfishes: *Pomacentrus flavicauda* and *P. wardi* **75**, 215 (1983)
Döhler, G.: Effect of UV-B radiation on the marine diatoms *Lauderia annulata* and *Thalassiosira rotula* grown in different salinities **83**, 247 (1984)
Domanski, P.A.: Giant larvae: prolonged planktonic larval phase in the asteroid *Luidia sarsi* **80**, 189 (1984)
Domotor, S.L., D'Elia, C.F.: Nutrient uptake kinetics and growth of zooxanthellae maintained in laboratory culture **80**, 93 (1984)
Domotor, S.L., see D'Elia, C.F., et al. **75**, 157 (1983)
Donkin, P., see Widdows, J., et al. **76**, 109 (1983)
Donoghue, A.M., see Quicke, D.L.J., et al. **77**, 29 (1983)
Dortch, Q., Clayton, J.R. Jr., Thoresen, S.S., Ahmed, S.I.: Species differences in accumulation of nitrogen pools in phytoplankton **81**, 237 (1984)
Dortch, Q., Conway, H.L.: Interactions between nitrate and ammonium uptake: variation with growth rate, nitrogen source and species **79**, 151 (1984)
Doucette, G.J., Fryxell, G.A.: *Thalassiosira antarctica:* vegetative and resting stage chemical composition of an ice-related marine diatom **78**, 1 (1983)
Douglass, J.K., see Forward, R.B., et al. **90**, 537 (1986)
Drabæk, I., see Riisgård, H.U., et al. **86**, 55 (1985)
Dring, M.J., Lüning, K.: Emerson enhancement effect and quantum yield of photosynthesis for marine macroalgae in simulated underwater light fields **87**, 109 (1985)
Dring, M.J., see Lüning, K. **87**, 119 (1985)
Druehl, L.D., Wheeler, W.N.: Population biology of *Macrocystis integrifolia* from British Columbia, Canada **90**, 173 (1986)
Druehl, L.D., see Wheeler, W.N. **90**, 181 (1986)
Dubinsky, Z., see Post, A.F., et al. **83**, 231 (1984)
Duffy, J.E. III., Tyler, S.: Quantitative differences in mitochondrial ultrastructure of a thiobiotic and an oxybiotic turbellarian **83**, 95 (1984)
Dugas, J., see Koslow, J.A., et al. **86**, 113 (1985)
Dugas, J.C., Koslow, J.A.: *Microsetella norvegica:* a rare report of a potentially abundant copepod on the Scotian Shelf **84**, 131 (1984)
Duggan, N.A., see Macleod, J.A.A., et al. **87**, 77 (1985)
Dunkley, P., see Nell, J.A., et al. **74**, 313 (1983)
Dunkley, P.R., see Nell, J.A. **80**, 335 (1984)
Dunlap, P.V., see McFall-Ngai, M.J. **73**, 227 (1983)
Durance, C.D., see Harrison, P.G. **90**, 117 (1985)
Duvnjak, Z., see Rambeloarisoa, E., et al. **83**, 69 (1984)
Dye, A.H.: Composition and seasonal fluctuations of meiofauna in a southern African mangrove estuary **73**, 165 (1983)
Dyrynda, P.E.J., Ryland, J.S.: Reproductive strategies and life histories in the cheilostome marine bryozoans *Chartella papyracea* and *Bugula flabellata* **71**, 241 (1982)

E

Ebeling, A.W., Laur, D.R., Rowley, R.J.: Severe storm disturbances and reversal of community structure in a southern California kelp forest **84**, 287 (1985)
Eberlein, K., Leal, M.T., Hammer, K.D., Hickel, W.: Dissolved organic substances during a *Phaeocystis pouchetii* bloom in the German Bight (North Sea) **89**, 311 (1985)
Eckelbarger, K.J., Linley, P.A., Grassle, J.P.: Role of ovarian follicle cells in vitellogenesis and oocyte resorption in *Capitella* sp. I (Polychaeta) **79**, 133 (1984)
Eckert, G.J.: Annual and spatial variation in recruitment of labroid fishes among seven reefs in the Capricorn/Bunker Group, Great Barrier Reef **78**, 123 (1984)
Edenborn, H.M., Litchfield, C.D.: Glycolate metabolism by *Pseudomonas* sp., strain S227, isolated from a coastal marine sediment **88**, 199 (1985)
Edwards, J.I., see Pitcher, T.J., et al. **86**, 319 (1985)
Eilertsen, H.C., see Sargent, J.R., et al. **85**, 109 (1985)
Ekaratne, K., Burfitt, A.H., Flowerdew, M.W., Crisp, D.J.: Separation of the two Atlantic species of *Pomatoceros, P. lamarckii* and *P. triqueter* (Annelida: Serpulidae) by means of biochemical genetics **71**, 257 (1982)
Elmgren, R., Hansson, S., Larsson, U., Sundelin, B., Boehm, P.D.: The "Tsesis" oil spill: acute and long-term impact on the benthos **73**, 51 (1983)
Elner, R.W., see Vadas, R.L., et al. **90**, 433 (1986)
Emig, C.C.: Comportement expérimental de *Lingula anatina* (Brachiopoda: Inarticulata) dans divers substrats meubles (Baie de Mutsu, Japon). [Experimental behaviour of *Lingula anatina* (Brachiopoda: Inarticulata) in different soft substrates (Mutsu Bay, Japan)] **75**, 207 (1983)
Emig, C.C.: Distribution et synécologie des fonds à *Gryphus vitreus* (Brachiopoda) en Corse. [Distribution and synecology of *Gryphus vitreus* (Brachiopoda) bottoms in Corsica] **90**, 139 (1985)
Emson, R.H., see Mladenov, P.V. **81**, 273 (1984)
Endean, R., see McCaffrey, E.J. **89**, 1 (1985)
Endo, M., Sakai, T., Kuroki, A.: Histological and histochemical changes in the gills of the yellowtail *Seriola quinqueradiata* exposed to the Raphidphycean flagellate *Chattonella marina* **87**, 193 (1985)
Endo, Y.: Daytime surface swarming of *Euphausia pacifica* (Crustacea: Euphausicea) in the Sanriku coastal waters off northeastern Japan **79**, 269 (1984)
Entsch, B., Sim, R.G., Hatcher, B.G.: Indications from photosynthetic components that iron is a limiting nutrient in primary producers on coral reefs **73**, 17 (1983)
Eppley, R.W., Reid, F.M.H., Cullen, J.J., Winant, C.D., Stewart, E.: Subsurface patch of a dinoflagellate *(Ceratium tripos)* off Southern California: patch length, growth rate, associated vertically migrating species **80**, 207 (1984)
Espinoza, J., Chapman, A.R.O.: Ecotypic differentiation of *Laminaria longicruris* in relation to seawater nitrate concentration **74**, 213 (1983)
Etienne, M., see Fenaux, L., et al. **86**, 151 (1985)
Everest, S.A., Hipkin, C.R., Syrett, P.J.: Enzyme activities in some marine phytoplankters and the effect of nitrogen limitation on nitrogen and carbon metabolism in *Chlorella stigmatophora* **90**, 165 (1986)
Eyster, L.S.: Origin, morphology and fate of the nonmineralized shell of *Coryphella salmonacea,* an opisthobranch gastropod **85**, 67 (1985)
Ezzi, I.A., see Gibson, R.N. **88**, 109 (1985)

F

Fadlallah, Y.H., Pearse, J.S.: Sexual reproduction in solitary corals: overlapping oogenic and brooding cycles, and benthic planulas in *Balanophyllia elegans* **71**, 223 (1982)
Fadlallah, Y.H., Pearse, J.S.: Sexual reproduction in solitary corals: synchronous gametogenesis and broadcast spawning in *Paracyathus stearnsii* **71**, 233 (1982)
Fagerness, V.L., see Landry, M.R., et al. **85**, 163 (1983)
Falkowski, P.G., see Post, A.F., et al. **83**, 231 (1984)
Falk-Petersen, I.-B., see Sargent, J.R., et al. **72**, 257 (1983)
Falk-Petersen, S., see Sargent, J.R., et al. **85**, 109 (1985)
Fallon, R.D., Newell, S.Y., Groene, L.C.: Phylloplane algae of standing dead *Spartina alterniflora* **90**, 121 (1985)
Farke, H., see Schulz-Baldes, M., et al. **75**, 307 (1983)
Faulkner, D.J., see Thompson, J.E., et al. **88**, 11 (1985)
Faulkner, D.J., see Walker, R.P., et al. **88**, 27 (1985)

Felbeck, H., Liebezeit, G., Dawson, R., Giere, O.: CO_2 fixation in tissues of marine oligochaetes *(Phallodrilus leukodermatus* and *P. planus)* containing symbiotic, chemoautotrophic bacteria **75**, 187 (1983)
Fenaux, L., Cellario, C., Etienne, M.: Croissance de la larve de l'oursin *Paracentrotus lividus*. [Larval growth of the sea urchin *Paracentrotus lividus*] **86**, 151 (1985)
Feng, D.F., see Greenblatt, P.R., et al. **84**, 75 (1984)
Féral, J.-P.: Effect of short-term starvation on the biochemical composition of the apodous holothurian *Leptosynapta galliennei* (Echinodermata): possible role of dissolved organic material as an energy source **86**, 297 (1985)
Ferrari, L., see Vinuesa, J.H., et al. **85**, 83 (1985)
Ferris, S.D., see Graves, J.E., et al. **79**, 315 (1984)
Fiala, M., Oriol, L.: Vitamine B_{12} et phytoplancton dans l'Océan Antarctique. Distribution et approche expérimentale. [Vitamin B_{12} and phytoplankton in the Antarctic Ocean. Distribution and experimental approach] **79**, 325 (1984)
Fiala-Médioni, A., Métivier, C.: Ultrastructure of the gill of the hydrothermal vent bivalve *Calyptogena magnifica*, with a discussion of its nutrition **90**, 215 (1986)
Fiala-Médioni, A., see Flood, P.R. **72**, 27 (1982)
Filion-Myklebust, C., see Blackstock, J. **73**, 155 (1983)
Fischer, R., Meyer, W.: Observations on rock boring by *Alpheus saxidomus* (Crustacea: Alpheidae) **89**, 213 (1985)
Fishelson, L., Montgomery, W.L., Myrberg, A.A.: A new fat body associated with the gonad of surgeonfishes (Acanthuridae: Teleostei) **86**, 109 (1985)
Fisher, C.R. Jr., see Childress, J.J., et al. **83**, 109 (1984)
Fisher, J.P., Pearcy, W.G.: Reproduction, growth and feeding of the mesopelagic fish *Tactostoma macropus* (Melanostomiatidae) **74**, 257 (1983)
Fisher, N.S.: Accumulation of metals by marine picoplankton **87**, 137 (1985)
Fisher, N.S., Bjerregaard, P., Fowler, S.W.: Interactions of marine plankton with transuranic elements. 3. Biokinetics of americium in euphausiids **75**, 261 (1983)
Fisher, N.S., Cowdell, R.A.: Growth of marine planktonic diatoms on inorganic and organic nitrogen **72**, 147 (1982)
Fisher, T.R., Jr., see Harding, L.W., Jr., et al. **89**, 121 (1985)
Fisk, D.A.: Free-living corals: distributions according to plant cover, sediments hydrodynamics, depth and biological factors **74**, 287 (1983)
Fitt, W.K.: The role of chemosensory behavior of *Symbiodinium microadriaticum*, intermediate hosts, and host behavior in the infection of coelenterates and molluscs with zooxanthellae **81**, 9 (1984)
Fitt, W.K., see Michel, M.C. **84**, 143 (1984)
Fleeger, J.W., see Chandler, G.T. **82**, 15 (1984)
Flegal, A.R., Settle, D.M., Patterson, C.C.: Thallium in marine plankton **90**, 501 (1986)
Flegal, A.R., see Oakden, J.M., et al. **84**, 125 (1984)
Fleminger, A.: Dimorphism and possible sex change in copepods of the family Calanidae **88**, 273 (1985)
Fleminger, A., see Alldredge, A.L., et al. **80**, 75 (1984)
Fletcher, W.J., Creese, R.G.: Competitive interactions between co-occurring herbivorous gastropods **86**, 183 (1985)
Flierl, G.R., see Wiebe, P.H., et al. **87**, 313 (1985)
Flint, M.V., see Vinogradov, M.E., et al. **89**, 95 (1985)
Floc'h, J.Y., see Diouris, M. **78**, 199 (1984)
Flood, P.R., Fiala-Médioni, A.: Structure of the mucous feeding filter of *Chaetopterus variopedatus* (Polychaeta) **72**, 27 (1982)
Florell, G., see Aneer, G., et al. **74**, 105 (1983)
Florence, T.M., see Ahsanullah, M. **84**, 41 (1984)
Flowerdew, M.W., see Ekaratne, K., et al. **71**, 257 (1982)
Flynn, K.J., Syrett, P.J.: Development of the ability to take up L-lysine by the diatom *Phaeodactylum tricornutum* **89**, 317 (1985)
Flynn, K.J., Syrett, P.J.: Characteristics of the uptake system for L-lysine and L-arginine in *Phaeodactylum tricornutum* **90**, 151 (1986)
Flynn, K.J., Syrett, P.J.: Utilization of L-lysine and L-arginine by the diatom *Phaeodactylum tricornutum* **90**, 159 (1986)
Focardi, S., see Chelazzi, G., et al. **74**, 115 (1983)
Fonda-Umani, S., see Benović, A., et al. **79**, 209 (1984)
Fontugne, M.R., see Descolas-Gros, C. **87**, 1 (1985)
Foreman, R.E., see Smith, B.D. **84**, 197 (1984)
Forward, R.B., Jr.: Behavioral responses of larvae of the crab *Rhithropanopeus harrisii* (Brachyura: Xanthidae) during diel vertical migration **90**, 9 (1985)
Forward, R.B., Jr., Douglass, J.K., Kenney, B.E.: Entrainment of the larval release rhythm of the crab *Rhithropanopeus harrisii* (Brachyura: Xanthidae) by cycles in salinity change **90**, 537 (1986)
Forward, R.B., Jr., see Stearns, D.E. **82**, 85 (1984)
Forward, R.B., Jr., see Stearns, D.E. **82**, 91 (1984)
Fournier, R.O., see Koslow, J.A., et al. **86**, 113 (1985)
Fowler, S.W., see Carvalho, F.P. **89**, 173 (1985)
Fowler, S.W., see Carvalho, F.P., et al. **77**, 59 (1983)
Fowler, S.W., see Fisher, N.S., et al. **75**, 261 (1983)
Fowler, S.W., see Galey, J., et al. **75**, 253 (1983)
Fowler, S.W., see Goudard, F., et al. **85**, 43 (1985)
Fragopoulu, N., see Williams, R. **89**, 257 (1985)
Francis, R.I.C.C., see Smith, P.J. **79**, 93 (1984)
Franke, H.-D.: Sex ratio and sex change in wild and laboratory populations of *Typosyllis prolifera* (Polychaeta) **90**, 197 (1986)
Frazier, J.M., George, S.G.: Cadmium kinetics in oysters – a comparative study of *Crassostrea gigas* and *Ostrea edulis* **76**, 55 (1983)
Frazier, J.M., see George, S.G., et al. **76**, 63 (1983)
Freeman, K.R., see Mallet, A.L., et al. **87**, 165 (1985)
Fricke, H., Meischner, D.: Depth limits of Bermudan scleractinian corals: a submersible survey **88**, 175 (1985)
Fricke, H., see Vareschi, E. **90**, 395 (1986)
Fricke, H.W., see Schlichter, D., et al. **89**, 143 (1985)
Friedland, K.D., Haas, L.W., Merriner, J.V.: Filtering rates of the juvenile Atlantic menhaden *Brevoortia tyrannus* (Pisces: Clupeidae), with consideration of the effects of detritus and swimming speed **84**, 109 (1984)
Fries, C.R., Lee, R.F.: Pollutant effects on the mixed function oxygenase (MFO) and reproductive systems of the marine polychaete *Nereis virens* **79**, 187 (1984)
Fritz, L.W., see Haven, D.S. **86**, 271 (1985)
Froyd, C.A., see Morse, A.N.C., et al. **81**, 293 (1984)
Fry, B.: $^{13}C/^{12}C$ ratios and the trophic importance of algae in Florida *Syringodium filiforme* seagrass meadows **79**, 11 (1984)
Fryxell, G.A., see Doucette, G.J. **78**, 1 (1983)
Fuhrman, J.A., see Légier-Visser, M.F., et al. **90**, 529 (1986)
Fukami, K., Simidu, U., Taga, N.: Change in a bacterial population during the process of degradation of a phytoplankton bloom in a brackish lake **76**, 253 (1983)
Fulton III, R.S.: Predatory feeding of two marine mysids **72**, 183 (1982)
Fulton III, R.S., Wear, R.G.: Predatory feeding of the hydromedusae *Obelia geniculata* and *Phialella quadrata* **87**, 47 (1985)

G

Gabaldon, D.J., see Gordon, M.S., et al. **85**, 209 (1985)
Gacutan, R.Q., Tabbu, M.Y., Aujero, E.J., Icatlo, F., Jr.: Paralytic shellfish poisoning due to *Pyrodinium bahamense* var. *compressa* in Mati, Davao Oriental, Philippines **87**, 223 (1985)
Gäde, G., Carlsson, K.-H.: Purification and characterisation of octopine dehydrogenase from the marine nemertean *Cerebratulus lacteus* (Anopla: Heteronemerta):

comparison with scallop octopine dehydrogenase **79**, 39 (1984)
Gäde, G., Carlsson, K.-H., Meinardus, G.: Energy metabolism in the foot of the marine gastropod *Nassa mutabilis* during environmental and functional anaerobiosis **80**, 49 (1984)
Gaffney, P.M., see Koehn, R.K. **82**, 1 (1984)
Gaffney, P.M., see Rodhouse, P.G. **80**, 179 (1984)
Gage, J.D., Tyler, P.A.: Depth-related gradients in size structure and the bathymetric zonation of deep-sea brittle stars **71**, 299 (1982)
Gage, J.D., Tyler, P.A.: Growth and recruitment of the deep-sea urchin *Echinus affinis* **90**, 41 (1985)
Gage, J.D., see Harvey, R. **82**, 181 (1984)
Gage, J.D., see Pearson, M. **82**, 247 (1984)
Gage, J.D., see Tyler, P.A. **80**, 63 (1984)
Gage, J.D., see Tyler, P.A., et al. **89**, 71 (1985)
Gaill, F., see Desbruyères, D., et al. **75**, 201 (1983)
Galey, J., Goudard, F., Pieri, J., Fowler, S.W., Carvalho, F.P.: Tissue and subcellular distribution of ^{252}Cf and ^{241}Am in the seastar *Marthasterias glacialis* **75**, 253 (1983)
Galey, J., see Goudard, F., et al. **85**, 43 (1985)
Gallagher, J.C., Wood, A.M., Alberte, R.S.: Ecotypic differentiation in the marine diatom *Skeletonema costatum:* influence of light intensity on the photosynthetic apparatus **82**, 121 (1984)
Galt, C.P., Sykes, P.F.: Sites of bioluminescence in the appendicularians *Oikopleura dioica* and *O. labradoriensis* (Urochordata: Larvacea) **77**, 155 (1983)
Gansbeke, D. van, see Verschraegen, K., et al. **86**, 233 (1985)
Garrity, S.D., Levings, S.C.: Homing to scars as a defense against predators in the pulmonate limpet *Siphonaria gigas* (Gastropoda) **72**, 319 (1983)
Gartner-Kepkay, K.E., see Mallet, A.L., et al. **87**, 165 (1985)
Garwood, P.E., see Vadas, R.L., et al. **90**, 433 (1986)
Gatten, R.R., see Sargent, J.R., et al. **74**, 281 (1983)
Gaudy, R., Boucher, J.: Relation between respiration, excretion (ammonia and inorganic phosphorus) and activity of amylase and trypsin in different species of pelagic copepods from an Indian Ocean equatorial area **75**, 37 (1983)
Gaudy, R., see Pagano, M. **90**, 551 (1986)
Gault, N.F.S., Tolland, E.L.C., Parker, J.G.: Spatial and temporal trends in heavy metal concentrations in mussels from Northern Ireland coastal waters **77**, 307 (1983)
Gee, J.M., see Joint, I.R., et al. **72**, 157 (1982)
Geffen, A.J.: Otolith ring deposition in relation to growth rate in herring *Clupea harengus)* and turbot *(Scophthalmus maximus)* larvae **71**, 317 (1982)
George, S.G., Pirie, B.J.S., Frazier, J.M.: Effects of cadmium exposure on metal-containing amoebocytes of the oyster *Ostrea edulis* **76**, 63 (1983)
George, S.G., see Frazier, J.M. **76**, 55 (1983)
Gerard, V.A.: The light environment in a giant kelp forest: influence of *Macrocystis pyrifera* on spatial and temporal variability **84**, 189 (1984)
Gerard, V.A.: Photosynthetic characteristics of giant kelp *(Macrocystis pyrifera)* determined *in situ* **90**, 473 (1986)
Gibson, R.N., Ezzi, I.A.: Effect of particle concentration on filter- and particulate-feeding in the herring *Clupea harengus* **88**, 109 (1985)
Giere, O., see Felbeck, H., et al. **75**, 187 (1983)
Gieskes, W.W.C., Kraay, G.W.: Dominance of Cryptophyceae during the phytoplankton spring bloom in the central North Sea detected by HPLC analysis of pigments **75**, 179 (1983)
Gilbert, T.R., see Dodge, R.E. **82**, 9 (1984)
Gilchrist, B.M., see Lee, W.L. **86**, 21 (1985)
Gilchrist, S.: Evaluation of hermit crab shell indices **78**, 147 (1984)
Gilewicz, M., Guillaume, J.R., Carles, D., Leveau, M., Bertrand, J.C.: Effects of petroleum hydrocarbons on the cytochrome P_{450} content of the mollusc bivalve *Mytilus galloprovincialis* **80**, 155 (1984)
Gili, J.M., Riera, T., Zabala, M.: Physical and biological gradients in a submarine cave on the Western Mediterranean coast (north-east Spain) **90**, 291 (1986)
Gillam, A., see Trick, C.G., et al. **75**, 9 (1983)
Gillespie, P.A., see Kaspar, H.F., et al. **85**, 127 (1985)
Gilmer, R.W., see Kremer, P., et al **90**, 403 (1986)
Gittings, S., see Powell, E.N., et al. **73**, 269 (1983)
Giusti, G., see Rambeloarisoa, E., et al. **83**, 69 (1984)
Glasby, C.J.: Population structure and reproductive biology of *Ceratonereis limnetica* (Polychaeta: Nereididae) at Lower Portland, Hawkesbury River, Australia **90**, 589 (1986)
Glasser, J.E., see Pace, M.L., et al. **82**, 47 (1984)
Glover, H.E.: Measurement of chemoautotrophic CO_2 assimilation in marine nitrifying bacteria: an enzymatic approach **74**, 295 (1983)
Glover, H.E., see Yentsch, C.M., et al. **89**, 9 (1985)
Goldman, J.C., Dennett, M.R.: Effect of nitrogen source on short-term light and dark CO_2 uptake by a marine diatom **76**, 7 (1983)
Goldman, J.C., Dennett, M.R.: Dark CO_2 uptake by the diatom *Chaetoceros simplex* in response to nitrogen pulsing **90**, 493 (1986)
Gomez, E.D., see Yap, H.T. **81**, 209 (1984)
Gomez, E.D., see Yap, H.T. **87**, 203 (1985)
Gonzalez, S.R., see Klein Breteler, W.C.M. **71**, 157 (1982)
González-Gurriarán, E., see Romero, P., et al. **72**, 201 (1982)
Gordon, D.M., see Sand-Jensen, K. **80**, 247 (1984)
Gordon, J.D.M., see Mauchline, J. **75**, 269 (1983)
Gordon, J.D.M., see Mauchline, J. **77**, 67 (1983)
Gordon, J.D.M., see Mauchline, J. **81**, 107 (1984)
Gordon, M.S., Gabaldon, D.J., Yip, A.Y.-w.: Exploratory observations on microhabitat selection within the intertidal zone by the Chinese mudskipper fish *Periophthalmus cantonensis* **85**, 209 (1985)
Gorham, J., Lewey, S.A.: Seasonal changes in the chemical composition of *Sargassum muticum* **80**, 103 (1984)
Gorham, J., see Lewey, S.A. **80**, 109 (1984)
Goshima, S., see Murai, M., et al. **76**, 159 (1983)
Gosling, E., see Christiansen, M.E., et al. **83**, 225 (1984)
Gostan, J., Mayer-Gostan, N., Romano, J.-C.: Retention of particulate adenosine triphosphate from Mediterranean deep-sea water by glass-fibre and membrane filters **86**, 213 (1985)
Gotsis, O.: Combined effects of selenium/mercury and selenium/copper on the cell population of the alga *Dunaliella minuta* **71**, 217 (1982)
Gottfried, M., Roman, M.R.: Ingestion and incorporation of coral-mucus detritus by reef zooplankton **72**, 211 (1983)
Gottfried, M.D., see Lasker, H.R., et al. **73**, 73 (1983)
Goudard, F., Galey, J., Pieri, J., Fowler, S.W., Heussner, S., La Rosa, J.: Intracellular localization and binding of technetium-95m in the seastar *Marthasterias glacialis* **85**, 43 (1985)
Goudard, F., see Galey, J., et al. **75**, 253 (1983)
Goulder, R., see Boak, A.C. **73**, 139 (1983)
Govoni, J.J., see Stoecker, D.K. **80**, 299 (1984)
Gowing, M.M., Silver, M.W.: Origins and microenvironments of bacteria mediating fecal pellet decomposition in the sea **73**, 7 (1983)
Graf, G., Schulz, R., Peinert, R., Meyer-Reil, L.-A.: Benthic response to sedimentation events during autumn to spring at a shallow-water station in the Western Kiel Bight. I. Analysis of processes on a community level **77**, 235 (1983)
Graham, J.B., Laurs, R.M.: Metabolic rate of the albacore tuna *Thunnus alalunga* **72**, 1 (1982)
Grant, J.: Sensitivity of benthic community respiration and primary production to changes in temperature and light **90**, 299 (1986)
Grassle, J.P., see Eckelbarger, K.J., et al. **79**, 133 (1984)
Graves, J.E., Ferris, S.D., Dizon, A.E.: Close genetic similarity of Atlantic and Pacific skipjack tuna *(Katsuwonus pelamis)* demonstrated with restriction en-

donuclease analysis of mitochondrial DNA **79**, 315 (1984)
Gray, J.S.: Nitrogenous excretion by meiofauna from coral reef sediments: Mecor 5 **89**, 31 (1985)
Gray, J.S., see Valderhaug, V.A. **82**, 307 (1984)
Green, J.M., Martel, G., Martin, D.W.: Comparisons of the feeding activity and diets of male and female cunners *Tautogolabrus adspersus* (Pisces: Labridae) **84**, 7 (1984)
Greenblatt, P.R., Feng, D.F., Zirino, A., Losee, J.R.: Observations of planktonic bioluminescence in the euphotic zone of the California Current **84**, 75 (1984)
Greenwood, P.G., Mariscal, R.N.: Immature nematocyst incorporation by the aeolid nudibranch *Spurilla neapolitana* **80**, 35 (1984)
Grehan, A., see O'Connor, B., et al. **75**, 279 (1983)
Grieshaber, M.K., see Pörtner, H.-O., et al. **79**, 237 (1984)
Griffiths, R.P., Caldwell, B.A., Morita, R.Y.: Seasonal changes in microbial heterotrophic activity in subarctic marine waters as related to phytoplankton primary productivity **71**, 121 (1982)
Grigg, H., Holmes, L.J., Bardwell, S.J.: Seasonal observations on the biometry and development in Copepodite Stage V of *Calanus finmarchicus* from the Firth of Clyde **88**, 73 (1985)
Grimmer, J.C., Holland, N.D., Messing, C.G.: Fine structure of the stalk of the bourgueticrinid sea lily *Democrinus conifer* (Echinodermata: Crinoidea) **81**, 163 (1984)
Groene, L.C., see Fallon, R.D., et al. **90**, 121 (1985)
Grossberger, S., see Stal, L.J., et al. **82**, 217 (1984)
Guest, K.P., see Hobson, L.A. **74**, 1 (1983)
Guidi, L., see Tenore, K.R. **79**, 101 (1984)
Guillaume, J.R., see Gilewicz, M., et al. **80**, 155 (1984)
Guillou, M., Hily, C.: Dynamics and biological cycle of a *Melinna palmata* (Ampharetidae) population during the recolonisation of a dredged area in the vicinity of the harbour of Brest (France) **73**, 43 (1983)
Guisado, Ch., Castilla, J.C.: Aspects of the ecology and growth of an intertidal juvenile population of *Choncholepas choncholepas* (Mollusca: Gastropoda Muricidae) at Las Cruces, Chile **78**, 99 (1983)
Gunkel, W., Crow, S., Klings, K.W.: Yeast population increases during degradation of *Desmarestia viridis* (Phaeophyceae) in seawater model microecosystems **75**, 327 (1983)
Gunnill, F.C.: Seasonal variations in the invertebrate faunas of *Pelvetia fastigiata* (Fucaceae): effects of plant size and distribution **73**, 115 (1983)
Gunnill, F.C.: Differing distributions of potentially competing amphipods, copepods and gastropods among specimens of the intertidal alga *Pelvetia fastigiata* **82**, 277 (1984)
Gust, G., see Morris, M.J., et al. **86**, 283 (1985)

H

Haas, L.W., see Friedland, K.D., et al. **84**, 109 (1984)
Hadfield, M.G., Young, R.E.: Planctosphaera (Hemichordata: Enteropneusta) in the Pacific Ocean **73**, 151 (1983)
Haedrich, R.L., see Houston, K.A. **82**, 301 (1984)
Hage, E., see Rasmussen, L.P.D., et al. **85**, 55 (1985)
Hagerman, L.: Haemocyanin concentration of juvenile lobsters *(Homarus gammarus)* in relation to moulting cycle and feeding conditions **77**, 11 (1983)
Hagerman, L., Uglow, R.F.: Effects of hypoxia on the respiratory and circulatory regulation of *Nephrops norvegicus* **87**, 273 (1985)
Haley, L.E., see Mallet, A.L. **81**, 53 (1984)
Hall, J.G., see Koehn, R.K., et al. **79**, 117 (1984)
Halpern, S., see Michel, C., et al. **83**, 17 (1984)
Hama, T., Miyazaki, T., Ogawa, Y., Iwakuma, T, Takahashi, M., Otsuki, A., Ichimura, S.: Measurement of photosynthetic production of a marine phytoplankton population using a stable ^{13}C Isotope **73**, 31 (1983)
Hamburger, K., Møhlenberg, F., Randløv, A., Riisgård, H.U.: Size, oxygen consumption and growth in the mussel *Mytilus edulis* **75**, 303 (1983)
Hammer, K.D., Brockmann, U.H.: Rhythmic release of dissolved free amino acids from partly synchronized *Thalassiosira rotula* under nearly natural conditions **74**, 305 (1983)
Hammer, K.D., see Eberlein, K., et al. **89**, 311 (1985)
Hamner, W.M., see Alldredge, A.L., et al. **80**, 75 (1984)
Hamner, W.M., see Omori, M. **72**, 193 (1982)
Hand, C., see Bucklin, A., et al. **84**, 175 (1984)
Hanson, R.B., Lowery, H.K.: Nucleic acid synthesis in oceanic microplankton from the Drake Passage, Antarctica: Evaluation of steady-state growth **73**, 79 (1983)
Hansson, S., see Elmgren, R., et al. **73**, 51 (1983)
Hara, Y., see Takahashi, M., et al. **89**, 63 (1985)
Harbison, G.R., Miller, R.L.: Not all ctenophores are hermaphrodites. Studies on the systematics, distribution, sexuality and development of two species of *Ocyropsis* **90**, 413 (1986)
Harding, L.W., Jr., Meeson, B.W., Fisher, T.R., Jr.: Patterns of photosynthetic carbon metabolism in light-limited phytoplankton **89**, 121 (1985)
Hardy, J.T., Apts, C.W.: The sea-surface microlayer: phytoneuston productivity and effects of atmospheric particulate matter **82**, 293 (1984)
Hargreaves, B.R., see Smith, R.L. **79**, 109 (1984)
Harlin, M.M., see Thursby, G.B. **72**, 109 (1982)
Harlin, M.M., see Thursby, G.B. **83**, 61 (1984)
Harris, L., see Smith, R.E.H., et al. **86**, 75 (1985)
Harris, R.P., Samain, J.-F., Moal, J., Martin-Jézéquel, V., Poulet, S.A.: Effects of algal diet on digestive enzyme activity in *Calanus helgolandicus* **90**, 353 (1986)
Harrison, C.S., see Cheng, L. **72**, 303 (1983)
Harrison, C.S., see Cheng, L., et al. **79**, 321 (1984)
Harrison, P.G., Durance, C.D.: Reductions in photosynthetic carbon uptake in epiphytic diatoms by water-soluble extracts of leaves of *Zostera marina* **90**, 117 (1985)
Harrison, P.J., see Bienfang, P.K. **83**, 293 (1984)
Harrison, P.J., see Parslow, J.S., et al. **83**, 43 (1984)
Harrison, P.J., see Parslow, J.S., et al. **83**, 51 (1984)
Harrison, P.J., see Thomas, T.E. **85**, 269 (1985)
Harrison, P.J., see Thomas, T.E., et al. **84**, 267 (1985)
Harrison, P.J., see Trick, C.G., et al. **75**, 9 (1983)
Harrison, P.L., see Babcock, R.C., et al. **90**, 379 (1986)
Harrison, W.G., see Li, W.K.W. **72**, 175 (1982)
Harrison, W.G., see Smith, R.E.H., et al. **86**, 75 (1985)
Hartmann, T., Löhr, E.: Decarboxylation of environmental L-leucine by marine red algae **78**, 7 (1983)
Hartwick, E.B., Ambrose, R.F., Robinson, S.M.C.: Dynamics of shallow-water populations of *Octopus dofleini* **82**, 65 (1984)
Harvey, R., Gage, J.D.: Observations on the reproduction and postlarval morphology of pourtalesiid sea urchins in the Rockall Trough area (N.E. Atlantic Ocean) **82**, 181 (1984)
Harvey, S.M., see Craik, J.C.A. **90**, 285 (1986)
Hashimoto, K., see Miyazawa, K., et al. **90**, 61 (1985)
Hassett, R.P., Landry, M.R.: Effects of food-level acclimation on digestive enzyme activities and feeding behavior of *Calanus pacificus* **75**, 47 (1983)
Hatcher, B.G., see Entsch, B., et al **73**, 17 (1983)
Haugen, A.S., see Rosenberg, A.A. **72**, 73 (1982)
Haven, D.S., Fritz, L.W.: Setting of the American oyster *Crassostrea virginica* in the James River, Virginia, USA: temporal and spatial distribution **86**, 271 (1985)
Haven, D.S., see Morales-Alamo, R. **74**, 187 (1983)

Hawkins, A.J.S., Bayne, B.L.: Seasonal variation in the balance between physiological mechanisms of feeding and digestion in *Mytilus edulis* (Bivalvia: Mollusca) **82**, 233 (1984)

Hawkins, A.J.S., Bayne, B.L., Clarke, K.R.: Co-ordinated rhythms of digestion, absorption and excretion in *Mytilus edulis* (Bivalvia: Mollusca) **74**, 41 (1983)

Haygood, M.G., Tebo, B.M., Nealson, K.H.: Luminous bacteria of a monocentrid fish *(Monocentris japonicus)* and two anomalopid fishes *(Photoblepharon palpebratus* and *Kryptophanaron alfredi)*: population sizes and growth within the light organs, and rates of release into the seawater **78**, 249 (1984)

Haywood, M., Alexander, C.G.: Statolith implantation in the banana prawn *Penaeus merguiensis* **72**, 113 (1982)

Hedgecock, D., see Bucklin, A., et al. **84**, 175 (1984)

Heffernan, P.: Demography of *Pholoe minuta* (Polychaeta: Sigalionidae) in Galway Bay, west coast of Ireland, with special reference to settlement and recruitment patterns **84**, 323 (1985)

Heffernan, P., O'Connor, B., Keegan, B.F.: Population dynamics and reproductive cycle of *Pholoë minuta* (Polychaeta: Sigalionidae) in Galway Bay **73**, 285 (1983)

Heisler, N., see Pörtner, H.-O., et al. **79**, 237 (1984)

Hellebust, J.A., see Ahmad, I. **86**, 85 (1985)

Hellebust, J.A., see Ahmad, I. **87**, 245 (1985)

Henderson, R.J., Sargent, J.R., Hopkins, C.C.E.: Changes in the content and fatty acid composition of lipid in an isolated population of the capelin *Mallotus villosus* during sexual maturation and spawning **78**, 255 (1984)

Henke, G.A.: Variations of hemolymph proteins of the common shore crab *Carcinus maenas* after a bacterial infection **87**, 181 (1985)

Henrichs, S.M., see Carlucci, A.F., et al., **85**, 13 (1985)

Henriksen, K., see Rasmussen, M.B., et al. **73**, 109 (1983)

Hensey, M.P., see Rodhouse, P.G., et al. **84**, 27 (1984)

Hentschel, J., see Werner, B. **74**, 301 (1983)

Herbland, A., Le Bouteiller, A.: Dynamique du phytoplancton et matière organique particulaire dans la zone euphotique de l'Atlantique equatorial. [Phytoplankton dynamics and particulate organic matter in the euphotic zone of the equatorial Atlantic Ocean] **72**, 265 (1983)

Herman, P.M.J., see Verschraegen, K., et al. **86**, 233 (1985)

Herndl, G.J., Velimirov, B.: Microheterotrophic utilization of mucus released by the Mediterranean coral *Cladocora cespitosa* **90**, 363 (1986)

Herrnkind, W.F., see Payson Wilber, T., Jr. **79**, 145 (1984)

Hettler, W.F., see Turner, J.T., et al. **90**, 1 (1985)

Heukelem, W.F. van, see Kelly, P., et al. **72**, 35 (1982)

Heussner, S., see Goudard, F., et al. **85**, 43 (1985)

Heyward, A.J., Babcock, R.C.: Self- and cross-fertilization in scleractinian corals **90**, 191 (1986)

Heyward, A.J., Stoddart, J.A.: Genetic structure of two species of *Montipora* on a patch reef: conflicting results from electrophoresis and histocompatibility **85**, 117 (1985)

Heyward, A.J., see Babcock, R.C., et al. **90**, 379 (1986)

Hickel, W., see Eberlein, K., et al. **89**, 311 (1985)

Hilbish, T.J.: Demographic and temporal structure of an allele frequency cline in the mussel *Mytilus edulis* **86**, 163 (1985)

Hildemann, W.H., see Johnston, I.S. **74**, 25 (1983)

Hildemann, W.H., see Jokiel, P.L., et al. **71**, 135 (1982)

Hill, B.J., see Hyland, S.J., et al. **80**, 57 (1984)

Hill, B.J., see Williams, M.J. **71**, 187 (1982)

Hiller, R.G., see Cox, G.C., et al. **89**, 149 (1985)

Hiller-Adams, P., Childress, J.J.: Effects of prolonged starvation on O_2 consumption, NH_4^+ excretion, and chemical composition of the bathypelagic mysid *Gnathophausia ingens* **77**, 119 (1983)

Hily, C., see Guillou, M. **73**, 43 (1983)

Hipkin, C.R., Thomas, R.J., Syrett, P.J.: Effects of nitrogen deficiency on nitrate reductase, nitrate assimilation and photosynthesis in unicellular marine algae **77**, 101 (1983)

Hipkin, C.R., see Everest, S.A., et al. **90**, 165 (1986)

Hirota, Y., Nemoto, T., Marumo, R.: Vertical distribution of larvae of *Euphausia nana* and *E. similis* (Crustacea: Euphausiacea) in Sagami Bay and Suruga Bay, Central Japan **81**, 131 (1984)

Hirota, Y., Nemoto, T., Marumo, R.: Larval development of *Euphausia nana* (Crustacea: Euphausiacea) **81**, 311 (1984)

Hobson, L.A., Guest, K.P.: Values of net compensation irradiation and their dependence on photosynthetic efficiency and respiration in marine unicellular algae **74**, 1 (1983)

Hodson, R.E., Christian, R.R., Maccubbin, A.E.: Lignocellulose and lignin in the salt marsh grass *Spartina alterniflora:* initial concentrations and short-term, post-depositional changes in detrital matter **81**, 1 (1984)

Hoeger, U., Mommsen, T.P.: Hydrolytic enzymes in the two North Sea ctenophores *Pleurobrachia pileus* and *Beroe gracilis* **81**, 123 (1984)

Hogg, R.W., see Wilkinson, C.R., et al. **80**, 255 (1984)

Holdsworth, E.S.: Effect of growth factors and light quality on the growth, pigmentation and photosynthesis of two diatoms, *Thalassiosira gravida* and *Phaeodactylum tricornutum* **86**, 253 (1985)

Holdway, P., Maddock, L.: A comparative survey of neuston: geographical and temporal distribution patterns **76**, 263 (1983)

Holdway, P., Maddock, L.: Neustonic distributions **77**, 207 (1983)

Holland, N.D., see Grimmer, J.C., et al. **81**, 163 (1984)

Holland, N.D., see Meyer, D.L., et al. **78**, 179 (1984)

Hollingworth, C.E., see Lewis, J.B. **71**, 41 (1982)

Holmes, L.J., see Clarke, A., et al. **88**, 247 (1985)

Holmes, L.J., see Grigg, H., et al. **88**, 73 (1985)

Holm-Hansen, O., see Koike, I., et al. **74**, 161 (1983)

Holst, H., Zebe, E.: Absorption of volatile fatty acids from ambient water by the lugworm *Arenicola marina* **80**, 125 (1984)

Holt, C.P., see Chrystal, P.J., et al. **85**, 185 (1985)

Holzman, T.F., Russo, S.F., Williams, D.C.: Effects of feeding and starvation on proteolytic and tryptic activities in pyloric caecal tissues and duct fluids of the seastar *Pisaster ochraceus* **90**, 55 (1985)

Honjo, T., see Yokote, M., et al. **88**, 295 (1985)

Hopkins, C.C.E., see Henderson, R.J., et al. **78**, 255 (1984)

Hopkins, C.C.E., see Sargent, J.R., et al. **76**, 87 (1983)

Hopkins, T.L.: Food web of an Antarctic midwater ecosystem **89**, 197 (1985)

Hopkinson, C.S., Jr.: Shallow-water benthic and pelagic metabolism: evidence of heterotrophy in the nearshore Georgia Bight **87**, 19 (1985)

Hori, T., see Takahashi, M. **79**, 177 (1984)

Horner, S.M.J., Smith, D.F.: Distinguishing modes of dissolved organic carbon production in marine macrophytes by tracer kinetic analysis **81**, 231 (1984)

Horner, S.M.J., see Smith, D.F. **72**, 53 (1982)

Hosie, G.W., Ritz, D.A.: Contribution of moulting and eggs to secondary production in *Nyctiphanes australis* (Crustacea: Euphausicea) **77**, 215 (1983)

Houde, E.D., Schekter, R.C.: Oxygen uptake and comparative energetics among eggs and larvae of three subtropical marine fishes **72**, 283 (1983)

Hourigan, T.F., Kelley, C.D.: Histology of the gonads and observations on the social behavior of the Caribbean angelfish *Holacanthus tricolor* **88**, 311 (1985)

Houston, K.A., Haedrich, R.L.: Abundance and biomass of macrobenthos in the vicinity of Carson Submarine Canyon, northwest Atlantic Ocean **82**, 301 (1984)

Howard, L.S., Brown, B.E.: Natural variations in tissue concentration of copper, zinc and iron in the polychaete *Nereis diversicolor* **78**, 87 (1983)

Hsieh, W., see Parsons, T.R., et al. **73**, 1 (1983)

Huber, M.E.: Population genetics of eight species of *Trapezia* (Brachyura: Xanthidae), symbionts of corals **85**, 23 (1985)
Hudon, C.: Selection of unicellular algae by the littoral amphipods *Gammarus oceanicus* and *Calliopius laeviusculus* (Crustacea) **78**, 59 (1983)
Hughes, J.E.: Life history of the sandy-beach amphipod *Dogielinotus loquax* (Crustacea: Dogielinotidae) from the outer coast of Washington, USA **71**, 167 (1982)
Hughes, P., see Koslow, J.A., et al. **86**, 113 (1985)
Hulburt, E.M.: Adaptation and equivalence in open-ocean phytoplankton **89**, 303 (1985)
Huljev, D., Strohal, P.: Investigations of some trace elements in the Bay of Lim **73**, 239 (1983)
Huljev, D., Strohal, P.: Physico-chemical processes of humic acid-trace element interactions **73**, 243 (1983)
Hunt, W.G., see Moriarty, D.J.W., et al. **85**, 285 (1985)
Hunt, W.G., see Moriarty, D.J.W., et al. **85**, 293 (1985)
Hunte, W., Myers, R.A.: Phototaxis and cannibalism in gammaridean amphipods **81**, 75 (1984)
Hunter, J.R., see Lane, D.J.W., et al. **84**, 301 (1985)
Huntley, M., Brooks, E.R.: Effects of age and food availability on diel vertical migration of *Calanus pacificus* **71**, 23 (1982)
Huntley, M.E., Barthel, K.-G., Star, J.L.: Particle rejection by *Calanus pacificus*: discrimination between similarly sized particles **74**, 151 (1983)
Hutcheson, M., Miller, D.C., White, A.Q.: Respiratory and behavioral responses of the grass shrimp *Palaemonetes pugio* to cadmium and reduced dissolved oxygen **88**, 59 (1985)
Hvilsom, M.M.: Copper-induced differential mortality in the mussel *Mytilus edulis* **76**, 291 (1983)
Hyland, S.J., Hill, B.J., Lee, C.P.: Movement within and between different habitats by the portunid crab *Scylla serrata* **80**, 57 (1984)

I

Icatlo, F., Jr., see Gacutan, R.Q., et al. **87**, 223 (1985)
Icely, J.D., Nott, J.A.: Feeding and digestion in *Corophium volutator* (Crustacea: Amphipoda) **89**, 183 (1985)
Ichimura, S., see Hama, T., et al. **73**, 31 (1983)
Ichimura, S.,see Ishizaka, J., et al. **76**, 271 (1983)
Ikeda, T.: Metabolic rates of epipelagic marine zooplankton as a function of body mass and temperature **85**, 1 (1985)
Ikeda, T., Mitchell, A.W.: Oxygen uptake, ammonia excretion and phosphate excretion by krill and other Antarctic zooplankton in relation to their body size and chemical composition **71**, 283 (1982)
Ikeda, T., see McConville, M.J., et al. **90**, 371 (1986)
Incze, L.S., Wencker, D.L., Armstrong, D.A.: Growth and average growth rates of Tanner crab zoeae collected from the plankton **84**, 93 (1984)
Ingebrigtsen, K., see Solbakken, J.E., et al. **83**, 239 (1984)
Innes, D.J., see Koehn, R.K., et al. **79**, 117 (1984)
Ishizaka, J., Takahashi, M., Ichimura, S.: Evaluation of coastal upwelling effects on phytoplankton growth by simulated culture experiments **76**, 271 (1983)
Itazawa, Y., see Yamamoto, K., et al. **73**, 221 (1983)
Ito, R.Y., see Jokiel, P.L., et al. **88**, 167 (1985)
Iwai, S., see Uye, S., et al. **73**, 91 (1983)
Iwakuma, T., see Hama, T., et al. **73**, 31 (1983)

J

Jäckle, I., see Ulken, A., et al. **85**, 89 (1985)
Jacobi, C.C., Anger, K.: Growth and respiration during the larval development of *Hyas coarctatus* (Decapoda: Majidae) **87**, 173 (1985)
Jacobsen, F.R., see Dean, T.A. **83**, 301 (1984)
Jacobsen, F.R., see Dean, T.A. **90**, 597 (1986)
Jacoby, C.A., Youngbluth, M.J.: Mating behavior in three species of *Pseudodiaptomus* (Copepoda: Calanoida) **76**, 77 (1983)
Jacques, T.G., Marshall, N., Pilson, M.E.Q.: Experimental ecology of the temperate scleractinian coral *Astrangia danae*. II. Effect of temperature, light intensity and symbiosis with zooxanthellae on metabolic rate and calcification **76**, 135 (1983)
Jangoux, M., see Lahaye, M.C. **86**, 307 (1985)
Jannasch, H.W., see Tuttle, J.H., et al. **73**, 293 (1983)
Jannasch, H.W., see Wirsen, C.O. **78**, 69 (1983)
Janson, K., Sundberg, P.: Multivariate morphometric analysis of two varieties of *Littorina saxatilis* from the Swedish west coast **74**, 49 (1983)
Jarzębski, A., Popov, S.: Comparison of sterol composition of some Baltic Sea and Black Sea mussels **86**, 159 (1985)
Jeffrey, W.H., see Paul, J.H., et al. **90**, 95 (1985)
Jeffries, H.P., Berman, M.S., Poularikas, A.D., Katsinis, C., Melas, I., Sherman, K., Bivins, L.: Automated sizing, counting and identification of zooplankton by pattern recognition **78**, 329 (1984)
Jennings, C.D., see Kendall, A.W., Jr., et al. **75**, 193 (1983)
Jensen, A., see Rasmussen, M.B., et al. **73**, 109 (1983)
Jensen, H.B., Jørgensen, K.S., Sørensen, J.: Diurnal variation of nitrogen cycling in coastal, marine sediments. II. Nitrous oxide emission **83**, 177 (1984)
Jensen, M.H., see Andersen, T.K., et al. **83**, 171 (1984)
Jensen, P.: Meiofaunal abundance and vertical zonation in a sublittoral soft bottom, with a test of the Haps corer **74**, 319 (1983)
Jensen, P.: Food ingestion and growth of the diatom-feeding nematode *Chromadorita tenuis* **81**, 307 (1984)
Jeon, J.K., see Miyazawa, K., et al. **90**, 61 (1985)
Jewett-Smith, J., see Dawes, C.J., et al. **78**, 325 (1984)
Johannes, R.E., Rimmer, D.W.: Some distinguishing characteristics of nesting beaches of the green turtle *Chelonia mydas* on North West Cape Peninsula, Western Australia **83**, 149 (1984)
Johnson, K.M., Davis, P.G., Sieburth, J.McN.: Diel variation of TCO_2 in the upper layer of oceanic waters reflects microbial composition, variation and possibly methane cycling **77**, 1 (1983)
Johnson, M.S., Black, R.: The Wahlund effect and the geographical scale of variation in the intertidal limpet *Siphonaria* sp. **79**, 295 (1984)
Johnson, M.S., see Black, R., et al. **71**, 101 (1982)
Johnson, S.B., Attramadal, Y.G.: Reproductive behaviour and larval development of *Tanais cavolinii* (Crustacea: Tanaidacea) **71**, 11 (1982)
Johnston, I.S., Hildemann, W.H.: Morphological correlates of intraspecific grafting reactions in the marine demosponge *Callyspongia diffusa* **74**, 25 (1983)
Joint, I.R., Gee, J.M., Warwick, R.M.: Determination of fine-scale vertical distribution of microbes and meiofauna in an intertidal sediment **72**, 157 (1982)
Joint, I.R., Pomroy, A.J.: Production of picoplankton and small nanoplankton in the Celtic Sea **77**, 19 (1983)
Joint, I.R., Williams, R.: Demands of the herbivore community on phytoplankton production in the Celtic Sea in August **87**, 297 (1985)
Jokiel, P.L., Hildemann, W.H., Bigger, C.H.: Frequency of intercolony graft acceptance or rejection as a measure of population structure in the sponge *Callyspongia diffusa* **71**, 135 (1982)
Jokiel, P.L., Ito, R.Y., Liu, P.M.: Night irradiance and synchronization of lunar release of planula larvae in the reef coral *Pocillopora damicornis* **88**, 167 (1985)
Jokiel, P.L., see Kinzie, R.A., III, et al. **78**, 239 (1984)
Jones, G.P., see Thompson, S.M. **76**, 95 (1983)
Jørck-Ramberg, D., see Parkes, R.J., et al. **83**, 271 (1984)
Jørgensen, K.S., see Jensen, H.B., et al. **83**, 177 (1984)

Juario, J.V., see Storch, V., et al. **74**, 101 (1983)
Julliard, M., see Tagger, S., et al. **78**, 13 (1983)

K

Kajihara, T., Nakamura, K.: Lifespan and oviposition of the parasitic copepod *Pseudomyicola spinosus* under rearing conditions **87**, 55 (1985)
Kapiotou, F., see Lee, J.J., et al. **82**, 113 (1984)
Karl, D.M., see Craven, D.B. **83**, 129 (1984)
Karlog, O., see Rasmussen, L.P.D., et al. **85**, 55 (1985)
Kasahara, S., see Uye, S., et al. **73**, 91 (1983)
Kaspar, H.F.: Denitrification, nitrate reduction to ammonium, and inorganic nitrogen pools in intertidal sediments **74**, 133 (1983)
Kaspar, H.F., Gillespie, P.A., Boyer, I.C., MacKenzie, A.L.: Effects of mussel aquaculture on the nitrogen cycle and benthic communities in Kenepuru Sound, Marlborough Sounds, New Zealand **85**, 127 (1985)
Katsinis, C., see Jeffries, H.P., et al. **78**, 329 (1984)
Kautsky, N.: A battery-operated, continuous-flow enclosure for metabolism studies in benthic communities **81**, 47 (1984)
Kautsky, U., see Aneer, G., et al. **74**, 105 (1983)
Kaye, J.G., see Solé-Cava, A.M., et al. **85**, 279 (1985)
Keegan, B.F., see Bowmer, T. **74**, 65 (1983)
Keegan, B.F., see Costelloe, J. **84**, 135 (1984)
Keegan, B.F., see Heffernan, P., et al. **73**, 285 (1983)
Keegan, B.F., see O'Foighil, D., et al. **81**, 283 (1984)
Keller, M.: Distribution quantitative de la méiofaune dans l'aire d'épandage de l'égout de Marseille. [Quantitative distribution of the meiofauna in the vicinity of Marseilles' sewage outfall] **89**, 293 (1985)
Kelley, C.D., see Hourigan, T.F. **88**, 311 (1985)
Kellogg, R.B., Patton, J.S.: Lipid droplets, medium of energy exchange in the symbiotic anemone *Condylactis gigantea:* a model coral polyp **75**, 137 (1983)
Kelly, P., Sulkin, S.D., Heukelem, W.F. van: A dispersal model for larvae of the deep sea red crab *Geryon quinquedens* based upon behavioral regulation of vertical migration in the hatching stage **72**, 35 (1982)
Kenchington, T.J., see Rice, E.L., et al. **88**, 207 (1985)
Kendall, A.W. Jr., Jennings, C.D., Beasley, T.M., Carpenter, R., Somayajulu, B.L.K.: Discovery of a cluster of unhatched fish eggs of a zoarcid buried 10 to 12 cm deep in continental slope sediments off Washington State, USA **75**, 193 (1983)
Kendall, J.J., Jr., Powell, E.N., Connor, S.J., Bright, T.J., Zastrow, C.E.: Effects of turbidity on calcification rate, protein concentration and the free amino acid pool of the coral *Acropora cervicornis* **87**, 33 (1985)
Kennedy, R., see Poiner, I.R. **78**, 335 (1984)
Kennedy, V.S., see Wright, D.A., et al. **77**, 271 (1983)
Kenney, B.E., see Forward, R.B., et al. **90**, 537 (1986)
Kerambrun, P., see Rivière, D. **75**, 25 (1983)
Kern, J.C., Bell, S.S.: Short-term temporal variation in population structure of two harpacticoid copepods, *Zausodes arenicolus* and *Paradactylopodia brevicornis* **84**, 53 (1984)
Kikuchi, K., see Takahashi, M., et al. **89**, 63 (1985)
Kikuchi, T, see Tsutsumi, H. **80**, 315 (1984)
Kim, Ki-Tai: Production primaire pélagique de l'Etang de Berre en 1977 et 1978. Comparaison avec le milieu marin (Méditerranée nord-occidentale). [Primary pelagic production of the Etang de Berre in 1977–1978. Comparison with the marine environment (North-West Mediterranean)] **73**, 325 (1983)
Kimmerer, W.J.: Spatial and temporal variability in egg production rates of the calanoid copepod *Acrocalanus inermis* **78**, 165 (1984)
King, F.D.: Vertical distribution of zooplankton glutamate dehydrogenase in relation to chlorophyll in the vicinity of the Nantucket Shoals **79**, 249 (1984)
King, J.M., see Alldredge, A.L. **84**, 253 (1985)
King, J.M., see Alldredge, A.L., et al. **80**, 75 (1984)
King, M.G., Butler, A.J.: Relationship of life-history patterns to depth in deep-water caridean shrimps (Crustacea: Natantia) **86**, 129 (1985)
Kinzer, J., Schulz, K.: Vertical distribution and feeding patterns of midwater fish in the central equatorial Atlantic. I. Myctophidae **85**, 313 (1985)
Kinzie, R.A., III, Jokiel, P.L., York, R.: Effects of light of altered spectral composition on coral zooxanthellae associations and on zooxanthellae *in vitro* **78**, 239 (1984)
Kiørboe, T., see Riisgård, H.U., et al. **86**, 55 (1985)
Klein Breteler, W.C.M., Gonzalez, S.R.: Influence of cultivation and food concentration on body length of calanoid copepods **71**, 157 (1982)
Kleppel, G.S., Pieper, R.E.: Phytoplankton pigments in the gut contents of planktonic copepods from coastal waters off southern California **78**, 193 (1984)
Kleppel, G.S., see Brewer, G.D., et al. **80**, 17 (1984)
Klimley, A.P., Brown, S.T.: Stereophotography for the field biologist: measurement of lengths and three-dimensional positions of free-swimming sharks **74**, 175 (1983)
Klinger, T.S., see McClintock, J.B., et al. **84**, 47 (1984)
Klings, K.W., see Gunkel, W., et al. **75**, 327 (1983)
Kljajić, Z., Stefanovich, M., Steffen, R., Zahn, R.K., Uhlenbruck, G., Müller, W.E.G.: Possible control mechanism of cell motility in the gorgonian *Eunicella cavolinii* **84**, 225 (1985)
Kljajić, Z., see Müller, W.E.G., et al. **76**, 1 (1983)
Knap, A.H., see Cook, C.B. **78**, 21 (1983)
Kobayashi, H., see Yamamoto, K., et al. **73**, 221 (1983)
Kodama, M., Ogata, T., Sato, S.: External secretion of tetrodotoxin from puffer fishes stimulated by electric shock **87**, 199 (1985)
Koehl, M.A.R., see Sebens, K.P. **81**, 255 (1984)
Koehn, R.K., Gaffney, P.M.: Genetic heterozygosity and growth rate in *Mytilus edulis* **82**, 1 (1984)
Koehn, R.K., Hall, J.G., Innes, D.J., Zera, A.J.: Genetic differentiation of *Mytilus edulis* in eastern North America **79**, 117 (1984)
Koehn, R.K., see Diehl, W.J. **88**, 265 (1985)
Koehn, R.K., see Rodhouse, P.G., et al. **90**, 209 (1986)
Kohlmeyer, J.: Marine fungi (Ascomycetes) within and on tests of Foraminifera **90**, 147 (1985)
Koike, I., Redalje, D.G., Ammerman, J.W., Holm-Hansen, O.: High-affinity uptake of an ammonium analogue by two marine microflagellates from the oligotrophic Pacific **74**, 161 (1983)
Kolding, S.: Genetic adaptation to local habitats and speciation processes within the genus *Gammarus* (Amphipoda: Crustacea) **89**, 249 (1985)
Koltes, K.H.: Temporal patterns in three-dimensional structure and activity of schools of the Atlantic silverside *Menidia menidia* **78**, 113 (1984)
Koslow, J.A., Brault, S., Dugas, J., Fournier, R.O., Hughes, P.: Condition of larval cod *(Gadus morhua)* off southwest Nova Scotia in 1983 in relation to plankton abundance and temperature **86**, 113 (1985)
Koslow, J.A., see Dugas, J.C. **84**, 131 (1984)
Koslow, J.A., see Runge, J.A., et al. **86**, 241 (1985)
Kraay, G.W., see Gieskes, W.W.C. **75**, 179 (1983)
Kremer, B.P.: Carbon economy and nutrition of the alloparasitic red alga *Harveyella mirabilis* **76**, 231 (1983)
Kremer, B.P., see Schlichter, D., et al. **78**, 29 (1983)
Kremer, B.P., see Schlichter, D., et al. **83**, 277 (1984)
Kremer, P.: Effect of food availability on the metabolism of the ctenophore *Mnemiopsis mccradyi* **71**, 149 (1982)
Kremer, P., Canino, M.F., Gilmer, R.W.: Metabolism of epipelagic tropical ctenophores **90**, 403 (1986)
Kreutzer, U., see Pörtner, H.-O., et al. **79**, 237 (1984)

Kristiansen, S.: Urea as a nitrogen source for the phytoplankton in the Oslofjord **74**, 17 (1983)
Krumbein, W.E., see Stal, L.J., et al. **82**, 217 (1984)
Kuroki, A., see Endo, M., et al. **87**, 193 (1985)
Kursar, T.A., see Pregnall, A.M., et al. **83**, 141 (1984)

L

La Barre, S., Coll, J.C.: Movement in soft corals: an interaction between *Nephthea brassica* (Coelenterata: Octocorallia) and *Acropora hyacinthus* (Coelenterata: Scleractinia) **72**, 119 (1982)
La Roche, J.: Ammonium regeneration: its contribution to phytoplankton nitrogen requirements in a eutrophic environment **75**, 231 (1983)
La Rosa, J., see Carvalho, F.P., et al. **77**, 59 (1983)
La Rosa, J, see Goudard, F., et al. **85**, 43 (1985)
Lacroix, G., see De Ladurantaye, R., et al. **82**, 21 (1984)
Lacroix, G., see Maranda, Y. **73**, 247 (1983)
Lagardère, J.P.: Effects of noise on growth and reproduction of *Crangon crangon* in rearing tanks **71**, 177 (1982)
Lagercrantz, U., see Berglund, A. **77**, 49 (1983)
LaHaye, C.A., see Meyer, D.L., et al. **78**, 179 (1984)
Lahaye, M.C., Jangoux, M.: Functional morphology of the podia and ambulacral grooves of the comatulid crinoid *Antedon bifida* (Echinodermata) **86**, 307 (1985)
Laing, I.: Growth response of *Chaetoceros calcitrans* (Bacillariophyceae) in batch culture to a range of initial silica concentrations **85**, 37 (1985)
Laing, W.A., see Burris, J.E., et al. **75**, 113 (1983)
Lalli, C.M., see Parsons, T.R., et al. **73**, 1 (1983)
Laloë, F., see Cayré, P. **90**, 345 (1986)
Lampitt, R.S., Merrett, N.R., Thurston, M.H.: Inter-relations of necrophagous amphipods, a fish predator, and tidal currents in the deep sea **74**, 73 (1983)
Lancelot, C., Mathot, S.: Biochemical fractionation of primary production by phytoplankton in Belgian coastal waters during short- and long-term incubations with ^{14}C-bicarbonate. I. Mixed diatom population **86**, 219 (1985)
Lancelot, C., Mathot, S.: Biochemical fractionation of primary production by phytoplankton in Belgian coastal waters during short- and long-term incubations with ^{14}C-bicarbonate. II. *Phaeocystis poucheti* colonial population **86**, 227 (1985)
Landry, M.R., Lehner-Fournier, J.M., Fagerness, V.L.: Predatory feeding behavior of the marine cyclopoid copepod *Corycaeus anglicus* **85**, 163 (1985)
Landry, M.R., see Hassett, R.P. **75**, 47 (1983)
Landry, M.R., see Miller, C.A. **78**, 265 (1984)
Lane, D.J.W., Beaumont, A.R., Hunter, J.R.: Byssus drifting and the drifting threads of the young post-larval mussel *Mytilus edulis* **84**, 301 (1985)
Lane, P.V.Z., see Smith, S.L. **85**, 153 (1985)
Lange, O.L., see Catarino, F., et al. **89**, 37 (1985)
Langenbruch, P.F.: Body structure of marine sponges. 1. Arrangement of the flagellated chambers in the canal system of *Reniera* sp. **75**, 319 (1983)
Langenbruch, P.F., see Simpson, T.L., et al. **86**, 37 (1985)
Langston, W.J.: Availability of arsenic to estuarine and marine organisms: a field and laboratory evaluation **80**, 143 (1984)
Lapointe, B.E., Dawes, C.J., Tenore, K.R.: Interactions between light and temperature on the physiological ecology of *Gracilaria tikvahiae* (Gigartinales: Rhodophyta). II. Nitrate uptake and levels of pigments and chemical constituents **80**, 171 (1984)
Lapointe, B.E., Tenore, K.R., Dawes, C.J.: Interactions between light and temperature on the physiological ecology of *Gracilaria tikvahiae* (Gigartinales: Rhodophyta). I. Growth, photosynthesis and respiration **80**, 161 (1984)
Larkum, A.W.D., see Cox, G.C., et al. **89**, 149 (1985)
Larsson, U., see Elmgren, R., et al. **73**, 51 (1983)
Lasker, H.R., Gottfried, M.D., Coffroth, M.A.: Effects of depth on the feeding capabilities of two octocorals **73**, 73 (1983)
Laubier, L., see Desbruyères, D., et al. **75**, 201 (1983)
Laur, D.R., see Ebeling, A.W., et al. **84**, 287 (1985)
Laurèn, D.J., Rice, S.: Significance of active and passive depuration in the clearance of naphthalene from the tissues of *Hemigrapsus nudus* (Crustacea: Decapoda) **88**, 135 (1985)
Laurs, R.M., see Graham, J.B. **72**, 1 (1982)
Lavie, B., Nevo, E.: Heavy metal selection of phosphoglucose isomerase allozymes in marine gastropods **71**, 17 (1982)
Lawrence, J.M., see McClintock, J.B., et al. **84**, 47 (1984)
Leal, M.T., see Eberlein, K., et al. **89**, 311 (1985)
Le Bouteiller, A., see Herbland, A. **72**, 265 (1983)
Lee, C.P., see Hyland, S.J., et al. **80**, 57 (1984)
Lee, J.J., Saks, N.M., Kapiotou, F., Wilen, S.H., Shilo, M.: Effects of host cell extracts on cultures of endosymbiotic diatoms from larger foraminifera **82**, 113 (1984)
Lee, K., see Nalewajko, C. **74**, 9 (1983)
Lee, R.F., see Fries, C.R. **79**, 187 (1984)
Lee, W.J., see Maeda, M., et al. **76**, 257 (1983)
Lee, W.L., Gilchrist, B.M.: Carotenoid patterns in twenty-nine species of sponges in the order Poecilosclerida (Porifera: Demospongiae): a possible tool for chemosystematics **86**, 21 (1985)
Le Feuvre, E.M., see Tricas, T.C. **84**, 233 (1985)
Legendre, L., Demers, S., Therriault, J.-C., Boudreau, C.-A.: Tidal variations in the photosynthesis of estuarine phytoplankton isolated in a tank **88**, 301 (1985)
Legendre, L., see Poulin, M., et al. **76**, 191 (1983)
Legendre, L., see Quéguiner, B. **90**, 483 (1986)
Légier-Visser, M.F., Mitchell, J.G., Okubo, A., Fuhrman, J.A.: Mechanoreception in calanoid copepods. A mechanism for prey detection **90**, 529 (1986)
Lehner-Fournier, J.M., see Landry, M.R., et al. **85**, 163 (1985)
Leis, J.M.: Nearshore distributional gradients of larval fish (15 taxa) and planktonic crustaceans (6 taxa) in Hawaii **72**, 89 (1982)
Leis, J.M.: Vertical and horizontal distribution of fish larvae near coral reefs at Lizard Island, Great Barrier Reef **90**, 505 (1986)
Lejeune, P., see Warner, R.R. **87**, 89 (1985)
Lemaire, J., see Wolf, G., et al. **90**, 35 (1985)
Le Petit, J., see Tagger, S., et al. **78**, 13 (1983)
Lessard, E.J., Swift, E.: Species-specific grazing rates of heterotrophic dinoflagellates in oceanic waters, measured with a dual-label radioisotope technique **87**, 289 (1985)
Lester, S.M.: *Cephalodiscus* sp. (Hemichordata: Pterobranchia): observations of functional morphology, behavior and occurrence in shallow water around Bermuda **85**, 263 (1985)
Leveau, M., see Gilewicz, M., et al. **80**, 155 (1984)
Levings, S.C., see Garrity, S.D. **72**, 319 (1983)
Levitt, G.J., see Bolton, J.J. **87**, 131 (1985)
Lewey, S.A., Gorham, J.: Pigment composition and photosynthesis in *Sargassum muticum* **80**, 109 (1984)
Lewey, S.A., see Gorham, J. **80**, 103 (1984)
Lewin, J., see Schaefer, C.T. **83**, 205 (1984)
Lewin, R.A., see Alberte, R.S., et al. **90**, 575 (1986)
Lewis, J.B., Bray, R.D.: Community structure of ophiuroids (Echinodermata) from three different habitats on a coral reef in Barbados, West Indies **73**, 171 (1983)
Lewis, J.B., Hollingworth, C.E.: Leaf epifauna of the seegrass *Thalassia testudinum* **71**, 41 (1982)
Li, W.K.W., Harrison, W.G.: Carbon flow into the end-products of photosynthesis in short and long incubations of a natural phytoplankton population **72**, 175 (1982)
Liebezeit, G., see Felbeck, H., et al. **75**, 187 (1983)
Lindahl, O.: On the development of a *Gyrodinium aureolum* occurrence on the Swedish west coast in 1982 **77**, 143 (1983)

Lindley, J.A.: Population dynamics and production of euphausiids. IV. *Euphausia krohni, Nematoscelis megalops* and *Thysanoessa gregaria,* and eight rare species in the North Atlantic Ocean **71**, 1 (1982)
Lindley, J.A.: Continuous plankton records: geographical variations in numerical abundance, biomass and production of euphausiids in the North Atlantic Ocean and the North Sea **71**, 7 (1982)
Lindley, J.A.: Vertical distributions of decapod crustacean larvae and pelagic postlarvae over Great Sole Bank (Celtic Sea) in June 1983 **90**, 545 (1986)
Linley, P.A., see Eckelbarger, K.J., et al. **79**, 133 (1984)
Litchfield, C.D., see Edenborn, H.M. **88**, 199 (1985)
Littler, M.M., see Seapy, R.R. **71**, 87 (1982)
Liu, P.M., see Jokiel, P.L., et al. **88**, 167 (1985)
Löhr, E., see Hartmann, T. **78**, 7 (1983)
Lombardo, R.J., see Vinuesa, J.H., et al. **85**, 83 (1985)
Loneragan, N.R., see Chrystal, P.J., et al. **85**, 185 (1985)
Loneragan, N.R., see Potter, I.C., et al. **78**, 75 (1983)
Longmuir, E.: Setal development, moult-staging and ecdysis in the banana prawn *Penaeus merguiensis* **77**, 183 (1983)
Lord, A., see Pechenik, J.A., et al. **78**, 223 (1984)
Lorenzen, C.J., see Welschmeyer, N.A., et al. **83**, 263 (1984)
Lorenzen, C.J., see Welschmeyer, N.A. **90**, 75 (1985)
Losee, J.R., see Greenblatt, P.R., et al. **84**, 75 (1984)
Lowery, H.K., see Hanson, R.B. **73**, 79 (1983)
Loya, Y., see Rinkevich, B. **80**, 1 (1984)
Loya, Y., see Rinkevich, B. **80**, 7 (1984)
Lubzens, E., Minkoff, G., Marom, S.: Salinity dependence of sexual and asexual reproduction in the rotifer *Brachionus plicatilis* **85**, 123 (1985)
Lucas, J.S., see Yamaguchi, M. **83**, 33 (1984)
Lucu, C., see Siebers, D., et al. **87**, 185 (1985)
Lüning, K., Dring, M.J.: Action spectra and spectral quantum yield of photosynthesis in marine macroalgae with thin and thick thalli **87**, 119 (1985)
Lüning, K., see Dring, M.J. **87**, 109 (1985)
Lyngby, J.E., see Brix, H. **90**, 111 (1985)

M

Maccubbin, A.E., see Hodson, R.E., et al. **81**, 1 (1984)
Mackay, M.A., Norton, R.S., Borowitzka, L.J.: Marine blue-green algae have a unique osmoregulatory system **73**, 301 (1983)
MacKenzie, A.L., see Kaspar, H.F., et al. **85**, 127 (1985)
Macleod, J.A.A., Thorpe, J.P., Duggan, N.A.: A biochemical genetic study of population structure in queen scallop *(Chlamys opercularis)* stocks in the Northern Irish Sea **87**, 77 (1985)
Macpherson, E.: Feeding pattern of the kingklip *(Genypterus capensis)* and its effect on the hake *(Merluccius capensis)* resource off the coast of Namibia **78**, 105 (1983)
Maddock, L., see Holdway, P. **76**, 263 (1983)
Maddock, L., see Holdway, P. **77**, 207 (1983)
Maeda, M., Lee, W.J., Taga, N.: Distribution of lipopolysaccharide, an indicator of bacterial biomass, in subtropical areas of the sea **76**, 257 (1983)
Magniez, P.: Reproductive cycle of the brooding echinoid *Abatus cordatus* (Echinodermata) in Kerguelen (Antarctic Ocean): changes in the organ indices, biochemical composition and caloric content of the gonads **74**, 55 (1983)
Magurran, A.E., see Pitcher, T.J., et al. **86**, 319 (1985)
Malej, A., see Benović, A., et al. **79**, 209 (1984)
Mallet, A.L., Haley, L.E.: General and specific combining abilities of larval and juvenile growth and viability estimated from natural oyster populations **81**, 53 (1984)
Mallet, A.L., Zouros, E., Gartner-Kepkay, K.E., Freeman, K.R., Dickie, L.M.: Larval viability and heterozygote deficiency in populations of marine bivalves: evidence from pair matings of mussels **87**, 165 (1985)
Malouf, R.E., see Bricelj, V.M. **84**, 155 (1984)
Malouf, R.E., see Bricelj, V.M., et al. **84**, 167 (1984)
Manahan, D.T., Richardson, K.: Competition studies on the uptake of dissolved organic nutrients by bivalve larvae *(Mytilus edulis)* and marine bacteria **75**, 241 (1983)
Manconi, P., see Cau, A. **81**, 147 (1984)
Mangold, K., see Boucher-Rodoni, R. **86**, 193 (1985)
Mann, K.H., see Robertson, A.I. **80**, 131 (1984)
Mann, K.H., see Stephenson, R.L., et al. **81**, 223 (1984)
Maranda, Y., Lacroix, G.: Temporal variability of zooplankton biomass (ATP content and dry weight) in the St. Lawrence estuary: advective phenomena during neap tide **73**, 247 (1983)
Marcus, N.H., see Bucklin, A. **84**, 219 (1985)
Marechal, G., see Baguet, F., et al. **74**, 221 (1983)
Marian, M.P., see Pandian, T.J. **85**, 301 (1985)
Mariscal, R.N., see Greenwood, P.G. **80**, 35 (1984)
Marom, S., see Lubzens, E., et al. **85**, 123 (1985)
Marsden, J.R.: Swimming in response to light by larvae of the tropical serpulid *Spirobranchus giganteus* **83**, 13 (1984)
Marsh, A., see Dawes, C.J., et al. **78**, 325 (1984)
Marsh, H., see Coll, J.C., et al. **74**, 35 (1983)
Marshall, N., see Jacques, T.G., et al. **76**, 135 (1983)
Martel, G., see Green, J.M., et al. **84**, 7 (1984)
Martin, D.W., see Green, J.M., et al. **84**, 7 (1984)
Martinčić, D., Nürnberg, H.W., Stoeppler, M., Branica, M.: Bioaccumulation of heavy metals by bivalves from Lim Fjord (North Adriatic Sea) **81**, 177 (1984)
Martin-Jézéquel, V., see Harris, R.P., et al. **90**, 353 (1986)
Martin-Jézéquel, V., see Poulet, S.A. **77**, 93 (1983)
Marumo, R., see Hirota, Y., et al. **81**, 131 (1984)
Marumo, R., see Hirota, Y., et al. **81**, 311 (1984)
Maruyama, J., see Miyazawa, K., et al. **90**, 61 (1985)
Mathot, S., see Lancelot, C. **86**, 219 (1985)
Mathot, S., see Lancelot, C. **86**, 227 (1985)
Matlik, H.A., see Prézelin, B.B. **74**, 141 (1983)
Matson, A., see Menge, B.A., et al. **77**, 129 (1983)
Matson, E.A., see Waslenchuk, D.G., et al. **72**, 219 (1983)
Mauchline, J.: Growth and production of Euphausiacea (Crustacea) in the Rockall Trough **90**, 19 (1985)
Mauchline, J., Gordon, J.D.M.: Diets of the sharks and chimaeroids of the Rockall Trough, northeastern Atlantic Ocean **75**, 269 (1983)
Mauchline, J., Gordon, J.D.M.: Diets of clupeoid, stomiatoid and salmonoid fish of the Rockall Trough, northeastern Atlantic Ocean **77**, 67 (1983)
Mauchline, J., Gordon, J.D.M.: Diets and bathymetric distributions of the macrourid fish of the Rockall Trough, northeastern Atlantic Ocean **81**, 107 (1984)
Maurer, D., Vargas, J.A.: Diversity of soft-bottom benthos in a tropical estuary: Gulf of Nicoya, Costa Rica **81**, 97 (1984)
Mavin, L.J., see Nott, J.A., et al. **89**, 271 (1985)
Mayer-Gostan, N., see Gostan, J., et al. **86**, 213 (1985)
McCaffrey, E.J., Endean, R.: Antimicrobial activity of tropical and subtropical sponges **89**, 1 (1985)
McClintock, J.B., Klinger, T.S., Lawrence, J.M.: Chemoreception in *Luidia clathrata* (Echinodermata: Asteroidea): qualitative and quantitative aspects of chemotactic responses to low molecular weight compounds **84**, 47 (1984)
McConnaughey, R.A., Sulkin, S.D.: Measuring the effects of thermoclines on the vertical migration of larvae of *Callinectes sapidus* (Brachyura: Portunidae) in the laboratory **81**, 139 (1984)
McConville, M.J., Ikeda, T., Bacic, A., Clarke, A.E.: Digestive carbohydrases from the hepatopancreas of two Antarctic

euphausiid species *(Euphausia superba* and *E. crystallorophias)* **90**, 371 (1986)
McDonald, J.H., see Rodhouse, P.G., et al. **90**, 209 (1986)
McEuen, F.S., Wu, B.L., Chia, F.S.: Reproduction and development of *Sabella media*, a sabellid polychaete with extratubular brooding **76**, 301 (1983)
McFall-Ngai, M.J., Dunlap, P.V.: Three new modes of luminescence in the leiognathid fish *Gazza minuta:* discrete projected luminescence, ventral body flash, and buccal luminescence **73**, 227 (1983)
McGrath, D., see O'Foighil, D., et al. **81**, 283 (1984)
McGurk, M.D.: Effects of delayed feeding and temperature on the age of irreversible starvation and on the rates of growth and mortality of Pacific herring larvae **84**, 13 (1984)
McGurk, M.D.: Multivariate analysis of morphometry and dry weight of Pacific herring larvae **86**, 1 (1985)
McHenery, J.G., Allen, J.A., Birkbeck, T.H.: Effect of tidal submersion on lysozyme activity in *Mytilus edulis* and *Tellina tenuis* **75**, 57 (1983)
McHenery, J.G., see Birkbeck, T.H. **72**, 7 (1982)
McKelvie, D.S.: Discreteness of pelagic faunal regions **88**, 125 (1985)
McLaren, I.A., see Runge, J.A., et al. **86**, 241 (1985)
McLay, C.L.: Dispersal and use of sponges and ascidians as camouflage by *Cryptodromia hilgendorfi* (Brachyura: Dromiacea) **76**, 17 (1983)
McNamara, J.C., see Moreira, G.S., et al. **74**, 111 (1983)
McNeil, Y., see Streamer, M., et al. **90**, 565 (1986)
McQuaid, C.D., see Probyn, T.A. **88**, 149 (1985)
Meehan, B.W., see Beukema, J.J. **90**, 27 (1985)
Meeson, B.W., see Harding, L.W., Jr., et al. **89**, 121 (1985)
Meinardus, G., see Gäde, G., et al. **80**, 49 (1984)
Meischner, D., see Fricke, H. **88**, 175 (1985)
Meise-Munns, C.J., see Wishner, K.F. **84**, 65 (1984)
Melas, I., see Jeffries, H.P., et al. **78**, 329 (1984)
Menge, B.A., Ashkenas, L.R., Matson, A.: Use of artificial holes in studying community development in cryptic marine habitats in a tropical rocky intertidal region **77**, 129 (1983)
Merrett, N.R., see Lampitt, R.S., et al. **74**, 73 (1983)
Merrett, N.R., see Sargent, J.R., et al. **74**, 281 (1983)
Merriner, J.V., see Friedland, K.D., et al. **84**, 109 (1984)
Messing, C.G.: Brooding and paedomorphosis in the deep-water feather star *Comatilia iridometriformis* (Echinodermata: Crinoidea) **80**, 83 (1984)
Messing, C.G., see Grimmer, J.C., et al. **81**, 163 (1984)
Métayer, C., see Amiard, J.C. **90**, 425 (1986)
Métivier, C., see Fiala-Médioni, A. **90**, 215 (1986)
Meyer, D.L., LaHaye, C.A., Holland, N.D., Arneson, A.C., Strickler, J.R.: Time-lapse cinematography of feather stars (Echinodermata: Crinoidea) on the Great Barrier Reef, Australia: demonstrations of posture changes, locomotion, spawning and possible predation by fish **78**, 179 (1984)
Meyer, D.L., see Colman, R.S., et al. **83**, 125 (1984)
Meyer, W., see Fischer, R. **89**, 213 (1985)
Meyer-Reil, L.-A.: Benthic response to sedimentation events during autumn to spring at a shallow-water station in the Western Kiel Bight. II. Analysis of benthic bacterial populations **77**, 247 (1983)
Meyer-Reil, L.-A., see Graf, G., et al. **77**, 235 (1983)
Meyhöfer, E.: Comparative pumping rates in suspension-feeding bivalves **85**, 137 (1985)
Michel, C., Bhaud, M., Boumati, P., Halpern, S.: Physiology of the digestive tract of the sedentary polychaete *Terebellides stroemi* **83**, 17 (1984)
Michel, M.C., Fitt, W.K.: Effects of a water-soluble fraction of a crude oil on the coral reef hydroid *Myrionema hargitti:* feeding, growth and algal symbionts **84**, 143 (1984)
Mihursky, J.A., see Wright, D.A., et al. **77**, 271 (1983)
Miller, A.C., see Bray, R.N., et al. **90**, 327 (1986)
Miller, C.A., Landry, M.R.: Ingestion-independent rates of ammonium excretion by the copepod *Calanus pacificus* **78**, 265 (1984)
Miller, C.B., see Terazaki, M. **71**, 193 (1982)
Miller, D.C., see Hutcheson, M., et al. **88**, 59 (1985)
Miller, D.C., see Sullivan, B.K., et al. **77**, 299 (1983)
Miller, R.J.: Succession in sea urchin and seaweed abundance in Nova Scotia, Canada **84**, 275 (1985)
Miller, R.J., Colodey, A.G.: Widespread mass mortalities of the green sea urchin in Nova Scotia, Canada **73**, 263 (1983)
Miller, R.L., see Harbison, G.R. **90**, 413 (1986)
Miller, R.L., see Mills, C.E. **78**, 215 (1984)
Mills, C.E., Miller, R.L.: Ingestion of a medusa *(Aegina citrea)* by the nematocyst-containing ctenophore *Haeckelia rubra* (formerly *Euchlora rubra*): phylogenetic implications **78**, 215 (1984)
Minkoff, G., see Lubzens, E., et al. **85**, 123 (1985)
Miquel, J.C., Arnaud, P.M., Do-Chi, T.: Population structure and migration of the stone crab *Lithodes murrayi* in the Crozet Islands, Subantarctic Indian Ocean **89**, 263 (1985)
Mitchell, A.W., see Ikeda, T. **71**, 283 (1982)
Mitchell, J.G., see Légier-Visser, M.F., et al. **90**, 529 (1986)
Mitton, J.B., Odense, P.H.: Muscle esterase variation and size variation in the sand launce *Ammodytes dubius* **87**, 279 (1985)
Miyazaki, T., see Hama, T., et al. **73**, 31 (1983)
Miyazawa, K., Noguchi, T., Maruyama, J., Jeon, J.K., Otsuka, M., Hashimoto, K.: Occurrence of tetrodotoxin in the starfishes *Astropecten polyacanthus* and *A. scoparius* in the Seto Inland Sea **90**, 61 (1985)
Mladenov, P.V., Chia, F.S.: Development, settling behaviour, metamorphosis and pentacrinoid feeding and growth of the feather star *Florometra serratissima* **73**, 309 (1983)
Mladenov, P.V., Emson, R.H.: Divide and broadcast: sexual reproduction in the West Indian brittle star *Ophiocomella ophiactoides* and its relationship to fissiparity **81**, 273 (1984)
Moal, J., see Harris, R.P., et al. **90**, 353 (1986)
Mobley, M.C., see Ahsanullah, M., et al. **82**, 191 (1984)
Møhlenberg, F., see Hamburger, K., et al. **75**, 303 (1983)
Møhlenberg, F., see Riisgård, H.U., et al. **86**, 55 (1985)
Moksness, E., see Blaxter, J.H.S., et al. **73**, 99 (1983)
Moles, A., see Stickle, W.B., et al. **80**, 281 (1984)
Mommsen, T.P., see Hoeger, U. **81**, 123 (1984)
Mongomery, W.L., see Fishelson, L., et al. **86**, 109 (1985)
Moon, T.W., see Ballantyne, J.S. **87**, 239 (1985)
Moore, M.N., see Pipe, R.K. **87**, 157 (1985)
Moore, S.L., see Widdows, J., et al. **76**, 109 (1983)
Morales, C., Antezana, T.: Diet selection of the Chilean stone crab *Homalaspis plana* **77**, 79 (1983)
Morales-Alamo, R., Haven, D.S.: Uptake of Kepone from sediment suspensions and subsequent loss by the oyster *Crassostrea virginica* **74**, 187 (1983)
Moran, W.M., Pierce, S.K.: The mechanism of crustacean salinity tolerance: cell volume regulation by K^+ and glycine effluxes **81**, 41 (1984)
Moreira, G.S., Yamashita, C., McNamara, J.C.: Seasonal variation in abundance of the developmental stages of *Euterpina acutifrons* (Copepoda: Harpacticoida) from the São Sebastião Channel, southern Brazil **74**, 111 (1983)
Morgan, P.J., see Olive, P.J.W., et al. **88**, 235 (1985)
Moriarty, C.M., see Moriarty, D.J.W., et al. **85**, 293 (1985)
Moriarty, D.J.W., Pollard, P.C.: Diel variation of bacterial productivity in seagrass *(Zostera capricorni)* beds measured by rate of thymidine incorporation into DNA **72**, 165 (1982)
Moriarty, D.J.W., Pollard, P.C., Hunt, W.G.: Temporal and spatial variation in

bacterial production in the water column over a coral reef **85**, 285 (1985)
Moriarty, D.J.W., Pollard, P.C., Hunt, W.G., Moriarty, C.M., Wassenberg, T.J.: Productivity of bacteria and microalgae and the effect of grazing by holothurians in sediments on a coral reef flat **85**, 293 (1985)
Morita, R.Y., see Griffiths, R.P., et al. **71**, 121 (1982)
Morris, D.J., see Watkins, J.L., et al. **86**, 123 (1985)
Morris, M.J., Gust, G., Torres, J.J.: Propulsion efficiency and cost of transport for copepods: a hydromechanical model of crustacean swimming **86**, 283 (1985)
Morris, R.J., see Ridout, P.S. **87**, 7 (1985)
Morris, R.J., see Ridout, P.S., et al. **87**, 285 (1985)
Morse, A.N.C., Froyd, C.A., Morse, D.E.: Molecules from cyanobacteria and red algae that induce larval settlement and metamorphosis in the mollusc *Haliotis rufescens* **81**, 293 (1984)
Morse, D.E., see Morse, A.N.C., et al. **81**, 293 (1984)
Morton, A.W., see Wiebe, P.H., et al. **87**, 313 (1985)
Moyer, J.T., see Bell, L.J., et al. **72**, 99 (1982)
Müller, I., see Müller, W.E.G., et al. **76**, 1 (1983)
Müller, W.E.G., Conrad, J., Schröder, H.C., Zahn, R.K., Kljajić, Z., Müller, I, Uhlenbruck, G.: Cell-cell recognition system in gorgonians: description of the basic mechanism **76**, 1 (1983)
Müller, W.E.G., see Kljajić, Z., et al. **84**, 225 (1985)
Muller-Parker, G.: Photosynthesis-irradiance responses and photosynthetic periodicity in the sea anemone *Aiptasia pulchella* and its zooxanthellae **82**, 225 (1984)
Muller-Parker, G.: Effect of feeding regime and irradiance on the photophysiology of the symbiotic sea anemone *Aiptasia pulchella* **90**, 65 (1985)
Murai, M., Goshima, S., Nakasone, Y.: Adaptive droving behavior observed in the fiddler crab *Uca vocans vocans* **76**, 159 (1983)
Murakami, T. H., see Toyoshima, T., et al. **88**, 101 (1985)
Myers, R.A., see Hunte, W. **81**, 75 (1984)
Myrberg, A.A., see Fishelson, L., et al. **86**, 109 (1985)

N

Nagabhushanam, R., see Deshpande, U.D. **72**, 227 (1983)
Nagasawa, S., Simidu, U., Nemoto, T.: Scanning electron microscopy investigation of bacterial colonization of the marine copepod *Acartia ciausi* **87**, 61 (1985)
Nagasawa, S., Simidu, U., Nemoto, T.: Ecological aspects of deformed chaetognaths and visual observations of their periphytes **87**, 67 (1985)
Nakamura, K., see Kajihara, T. **87**, 55 (1985)
Nakasone, Y., see Murai, M., et al. **76**, 159 (1983)
Nalewajko, C., Lee, K.: Light stimulation of phosphate uptake in marine phytoplankton **74**, 9 (1983)
Navarro, A., see Romano, J.-C. **87**, 229 (1985)
Nealson, K.H., Arneson, A.C., Bratkovich, A.: Preliminary results from studies of nocturnal bioluminescence with subsurface moored photometers **83**, 185 (1984)
Nealson, K.H., see Haygood, M.G., et al. **78**, 249 (1984)
Negilski, D.S., see Ahsanullah, M., et al. **82**, 191 (1984)
Nell, J.A., Dunkley, P.R.: Effects of temperature, nutritional factors and salinity on the uptake of L-methionine by the Sydney rock oyster *Saccostrea commercialis* **80**, 335 (1984)
Nell, J.A., Skeel, M.E., Dunkley, P.: Uptake of some dissolved organic nutrients by the Sydney rock oyster *Saccostrea commercialis* **74**, 313 (1983)
Nellbring, S., see Aneer, G., et al. **74**, 105 (1983)
Nemoto, T., see Hirota, Y., et al. **81**, 131 (1984)
Nemoto, T., see Hirota, Y., et al. **81**, 311 (1984)
Nemoto, T., see Nagasawa, S., et al. **87**, 61 (1985)
Nemoto, T., see Nagasawa, S., et al. **87**, 67 (1985)
Neuhoff, H.-G.: Synergistic physiological effects of low copper and various oxygen concentrations on *Macoma balthica* **77**, 39 (1983)
Neumann, D.: Diel eclosion rhythm of a sublittoral population of the marine insect *Pontomyia pacifica* **90**, 461 (1986)
Nevo, E., see Lavie, B. **71**, 17 (1982)
Newell, R.I.E., see Rodhouse, P.G., et al. **90**, 209 (1986)
Newell, S.Y., see Fallon, R.D., et al. **90**, 121 (1985)
Nicol, S.: Cod end feeding by the euphausiid *Meganyctiphanes norvegica* **80**, 29 (1984)
Nicola Giudici, M., de: Defence mechanism of *Bonellia viridis* **78**, 271 (1984)
Nielsen, M.V., see Strömgren, T. **90**, 467 (1986)
Noguchi, T., see Miyazawa, K., et al. **90**, 61 (1985)
Norton, R.S., see Mackay, M.A., et al. **73**, 301 (1983)
Norton, T.A., Benson, M.R.: Ecological interactions between the brown seaweed *Sargassum muticum* and its associated fauna **75**, 169 (1983)
Nott, J.A., Corner, E.D.S., Mavin, L.J., O'Hara, S.C.M.: Cyclical contributions of the digestive epithelium to faecal pellet formation by the copepod *Calanus helgolandicus* **89**, 271 (1985)
Nott, J.A., see Icely, J.D. **89**, 183 (1985)
Novaczek, I.: Response of *Ecklonia radiata* (Laminariales) to light at 15°C with reference to the field light budget at Goat Island Bay, New Zealand **80**, 263 (1984)
Novaczek, I.: Development and phenology of *Ecklonia radiata* at two depths in Goat Island Bay, New Zealand **81**, 189 (1984)
Novaczek, I.: Response of gametophytes of *Ecklonia radiata* (Laminariales) to temperature in saturating light **82**, 241 (1984)
Nürnberg, H.W., see Martincić, D., et al. **81**, 177 (1984)
Nultsch, W., Rüffer, U., Pfau, J.: Circadian rhythms in the chromatophore movements of *Dictyota dichotoma* **81**, 217 (1984)
Numachi, K., see Bell, L.J., et al. **72**, 99 (1982)
Nutbrown, E.D., see Parsons, T.R., et al. **73**, 1 (1983)

O

Oakden, J.M., Oliver, J.S., Flegal, A.R.: EDTA chelation and zinc antagonism with cadmium in sediment: effects on the behavior and mortality of two infaunal amphipods **84**, 125 (1984)
Oates, B.R.: Photosynthesis and amelioration of desiccation in the intertidal saccate alga *Colpomenia peregrina* **89**, 109 (1985)
O'Brien, D.P., Tay, D., Zwart, P.R.: Laboratory method of analysis of swarming behaviour in macroplankton: combination of a modified flume tank and stereophotographic techniques **90**, 517 (1986)
O'Clair, C.E., Rice, S.D.: Depression of feeding and growth rates of the seastar *Evasterias troschelii* during long-term exposure to the water-soluble fraction of crude oil **84**, 331 (1985)
O'Connor, B., Bowmer, T., Grehan, A.: Long-term assessment of the population dynamics of *Amphiura filiformis* (Echinodermata: Ophiuroidea) in Galway Bay (west coast of Ireland) **75**, 279 (1983)
O'Connor, B., see Heffernan, P., et al. **73**, 285 (1983)
Odense, P.H., see Mitton, J.B. **87**, 279 (1985)
Oertzen, J.-A., von: Seasonal respiration changes in *Pomatoschistus microps* and *Palaemon adspersus:* an experimental simulation **74**, 95 (1983)
Offredo, C., Ridoux, V., Clarke, M.R.: Cephalopods in the diets of Emperor and Adelie penguins in Adelie Land, Antarctica **86**, 199 (1985)
O'Foighil, D., McGrath, D., Conneely, M.E., Keegan, B.F., Costelloe, M.: Population dynamics and reproduction of *Mysella bidentata* (Bivalvia: Galeommatacea) in Galway Bay, Irish west coast **81**, 283 (1984)
Ogata, T., see Kodama, M., et al. **87**, 199 (1985)
Ogawa, Y., see Hama, T., et al. **73**, 31 (1983)
O'Hara, S.C.M., see Nott, J.A., et al. **89**, 271 (1985)
Øiestad, V., see Blaxter, J.H.S., et al. **73**, 99 (1983)

Okaichi, T., see Toyoshima, T., et al. **88**, 101 (1985)
Okubo, A., see Légier-Visser, M.F., et al. **90**, 529 (1986)
Ólafsson, J.: Trace metals in mussels *(Mytilus edulis)* from southwest Iceland **90**, 223 (1986)
Olive, P.J.W., Bentley, M.G., Wright, N.H., Morgan, P.J.: Reproductive energetics, endocrinology and population dynamics of *Nephtys caeca* and *N. hombergi* **88**, 235 (1985)
Oliver, J.K., see Babcock, R.C., et al. **90**, 379 (1986)
Oliver, J.S., see Oakden, J.M., et al. **84**, 125 (1984)
Omori, M., Hamner, W.M.: Patchy distribution of zooplankton: behavior, population assessment and sampling problems **72**, 193 (1982)
Onbé, T.: Seasonal fluctuations in the abundance of populations of marine cladocerans and their resting eggs in the Inland Sea of Japan **87**, 83 (1985)
O'Neal, S.W., Prince, J.S.: Relationship between seasonal growth, photosynthetic production and apex mortality of *Caulerpa paspaloides* (Chlorophyceae) **72**, 61 (1982)
Oriol, L., see Fiala, M. **79**, 325 (1984)
Otsuka, M., see Miyazawa, K., et al. **90**, 61 (1985)
Otsuki, A., see Hama, T., et al. **73**, 31 (1983)
Otway, N.M., Anderson, D.T.: Variability of shell growth and morphology of the wall-plate junctions of the intertidal barnacle *Tesseropora rosea* (Cirripedia: Tetraclitidae) **85**, 171 (1985)
Ozaki, H.S., see Toyoshima, T., et al. **88**, 101 (1985)

P

Pace, M.L., Glasser, J.E., Pomeroy, L.R.: A simulation analysis of continental shelf food webs **82**, 47 (1984)
Padilla, D.K.: Structural resistance of algae to herbivores. A biomechanical approach **90**, 103 (1985)
Paerl, H.W.: N_2 fixation (nitrogenase activity) attributable to a specific *Prochloron* (Prochlorophyta)-ascidian association in Palau, Micronesia **81**, 251 (1984)
Paffenhöfer, G.-A.: Food ingestion by the marine planktonic copepod *Paracalanus* in relation to abundance and size distribution of food **80**, 323 (1984)
Paffenhöfer, G.-A., see Price, H.J. **84**, 35 (1984)
Pagano, M., Gaudy, R.: Biologie d'un copépode des mares temporaires du littoral méditerranéen français: *Eurytemora velox*. I. Nutrition. [Biology of a copepod of the temporary lakes of the French Mediterranean littoral: *Eurytemora velox*. I. Nutrition] **90**, 551 (1986)
Palmer, A.R.: Relative cost of producing skeletal organic matrix versus calcification: evidence from marine gastropods **75**, 287 (1983)
Palmork, K.H., see Solbakken, J.E., et al. **83**, 239 (1984)
Pamilo, P., Varvio-Aho, S.: Testing genotype frequencies and heterozygosities **79**, 99 (1984)
Pandian, T.J., Marian, M.P.: Nitrogen content of food as an index of absorption efficiency in fishes **85**, 301 (1985)
Pardi, L., see Ugolini, A., et al. **90**, 449 (1986)
Parker, J.G., see Gault, N.F.S., et al. **77**, 307 (1983)
Parkes, R.J., Taylor, J.: Analysis of volatile fatty acids by ion-exclusion chromatography, with special reference to marine pore water **77**, 113 (1983)
Parkes, R.J., Taylor, J., Jørck-Ramberg, D.: Demonstration, using *Desulfobacter* sp., of two pools of acetate with different biological availabilities in marine pore water **83**, 271 (1984)
Parrish, K.K., see Zachary, A., et al. **75**, 1 (1983)
Parry, D.L.: Nitrogen assimilation in the symbiotic marine algae *Prochloron* spp. **87**, 219 (1985)
Parslow, J.S., Harrison, P.J., Thompson, P.A.: Development of rapid ammonium uptake during starvation of batch and chemostat cultures of the marine diatom *Thalassiosira pseudonana* **83**, 43 (1984)
Parslow, J.S., Harrison, P.J., Thompson, P.A.: Saturated uptake kinetics: transient response of the marine diatom *Thalassiosira pseudonana* to ammonium, nitrate, silicate or phosphate starvation **83**, 51 (1984)
Parsons, T.R., Perry, R.I., Nutbrown, E.D., Hsieh, W., Lalli, C.M.: Frontal zone analysis at the mouth of Saanich Inlet, British Columbia, Canada **73**, 1 (1983)
Patel, B., Patel, S., Taylor, D.M.: The chemical form of cobalt-60 in the marine sponge *Spirastrella cuspidifera* **80**, 45 (1984)
Patel, B., see Patel, S. **85**, 245 (1985)
Patel, S., Patel, B.: Effect of environmental parameters on lysosomal marker enzymes in the tropical blood clam *Anadara granosa* **85**, 245 (1985)
Patel, S., see Patel, B., et al. **80**, 45 (1984)
Patriti, G.: Remarques sur la structuration des populations zooplanctoniques dans la zone de l'émissaire de Marseille-Cortiou. [Remarks on the structure of zooplanktonic populations in the sewage discharge zone of Marseille-Cortiou] **82**, 157 (1984)
Patriti, G., Champalbert, G., Arfi, R.: Eulerian sampling of zooplankton from Marseilles' Vieux Port over a 24 h period **82**, 135 (1984)
Patterson, C.C., see Flegal, A.R., et al. **90**, 501 (1986)
Patterson, K.R.: Distribution patterns of some epifauna in the Irish Sea and their ecological interactions **83**, 103 (1984)
Patton, J.S., Battey, J.F., Rigler, M.W., Porter, J.W., Black, C.C., Burris, J.E.: A comparison of the metabolism of bicarbonate ^{14}C and acetate 1-^{14}C and the variability of species lipid compositions in reef corals **75**, 121 (1983)
Patton, J.S., Burris, J.E.: Lipid synthesis and extrusion by freshly isolated zooxanthellae (symbiotic algae) **75**, 131 (1983)
Patton, J.S., see Battey, J.F. **79**, 27 (1984)
Patton, J.S., see Kellogg, R.B. **75**, 137 (1983)
Paul, J.H., Jeffrey, W.H., DeFlaun, M.: Particulate DNA in subtropical oceanic and estuarine planktonic environments **90**, 95 (1985)
Pauly, D., Calumpong, H.: Growth, reproduction and mortality of the sea hare *Dolabella auricularia* (Gastropoda: Aplysiidae) in the Central Visayas, Philippines **79**, 289 (1984)
Payne, R., see Davies, J.M. **78**, 315 (1984)
Payson Wilber, T., Jr., Herrnkind, W.F.: Predaceous gastropods regulate new-shell supply to salt marsh hermit crabs **79**, 145 (1984)
Pearcy, W.G., see Fisher, J.P. **74**, 257 (1983)
Pearse, J.S., see Fadlallah, Y.H. **71**, 223 (1982)
Pearse, J.S., see Fadlallah, Y.H. **71**, 233 (1982)
Pearson, M., Gage, J.D.: Diets of some deep-sea brittle stars in the Rockall Trough **82**, 247 (1984)
Pearson, W.H., see Pinto, J.M., et al. **83**, 193 (1984)
Pechenik, J.A., Chang, S.C., Lord, A.: Encapsulated development of the marine prosobranch gastropod *Nucella lapillus* **78**, 223 (1984)
Peinert, R., see Graf, G., et al. **77**, 235 (1983)
Penas, E., see Romero, P., et al. **72**, 201 (1982)
Penczak, T.: Trophic ecology and fecundity of *Fundulus heteroclitus* in Chezzetcook Inlet, Nova Scotia **89**, 235 (1985)
Perry, D.M.: Function of the shell spine in the predaceous rocky intertidal snail *Acanthina spirata* (Prosobranchia: Muricacea) **88**, 51 (1985)
Perry, R.I., see Parsons, T.R., et al. **73**, 1 (1983)
Pfau, J., see Nultsch, W., et al. **81**, 217 (1984)
Pheiffer Madsen, P., see Riisgård, H.U., et al. **86**, 55 (1985)
Phillips, B.F.: Migrations of pre-adult western rock lobsters, *Panulirus cygnus*, in Western Australia **76**, 311 (1983)
Phinney, D.A., see Yentsch, C.M., et al. **89**, 9 (1985)
Piccard, J., see Baguet, F., et al. **74**, 221 (1983)
Pieper, R.E., see Kleppel, G.S. **78**, 193 (1984)
Pierce, S.K., see Moran, W.M. **81**, 41 (1984)
Pieri, J., see Galey, J., et al. **75**, 253 (1983)
Pieri, J., see Goudard, F., et al. **85**, 43 (1985)
Pilson, M.E.Q., see Jacques, T.G., et al. **76**, 135 (1983)
Pilson, M.E.Q., see Szmant-Froelich, A. **81**, 153 (1984)
Pinto, J.M., Pearson, W.H., Anderson, J.W.: Sediment preferences and oil contamination in the Pacific sand lance *Ammodytes hexapterus* **83**, 193 (1984)

Pipe, R.K., Moore, M.N.: Ultrastructural changes in the lysosomal-vacuolar system in digestive cells of *Mytilus edulis* as a response to increased salinity **87**, 157 (1985)
Pirie, B.J.S., see George, S.G., et al. **76**, 63 (1983)
Pitcher, T.J., Magurran, A.E., Edwards, J.I.: Schooling mackerel and herring choose neighbours of similar size **86**, 319 (1985)
Poiner, I.R., Kennedy, R.: Complex patterns of change in the macrobenthos of a large sandbank following dredging. I. Community analysis **78**, 335 (1984)
Poiner, I.R., see Catterall, C.P. **77**, 171 (1983)
Pollard, P.C., see Moriarty, D.J.W. **72**, 165 (1982)
Pollard, P.C., see Moriarty, D.J.W., et al. **85**, 285 (1985)
Pollard, P.C., see Moriarty, D.J.W., et al. **85**, 293 (1985)
Pomeroy, L.R., see Pace, M.L., et al. **82**, 47 (1984)
Pomroy, A.J., see Joint, I.R. **77**, 19 (1983)
Ponat, A., Adelung, D.: Studies to establish an optimal diet for *Carcinus maenas*. 3. Vitamin and quantitative lipid requirements **74**, 275 (1983)
Popov, S., see Jarzębski, A. **86**, 159 (1985)
Porter, J.W., see Burris, J.E., et al. **75**, 113 (1983)
Porter, J.W., see Patton, J.S., et al. **75**, 121 (1983)
Pörtner, H.-O., Kreutzer, U., Siegmund, B., Heisler, N., Grieshaber, M.K.: Metabolic adaptation of the intertidal worm *Sipunculus nudus* to functional and environmental hypoxia **79**, 237 (1984)
Post, A.F., Dubinsky, Z., Wyman, K., Falkowski, P.G.: Kinetics of light-intensity adaptation in a marine planktonic diatom **83**, 231 (1984)
Potter, I.C., Chrystal, P.J., Loneragan, N.R.: The biology of the blue manna crab *Portunus pelagicus* in an Australian estuary **78**, 75 (1983)
Potter, I.C., see Chrystal, P.J., et al. **85**, 185 (1985)
Poularikas, A.D., see Jeffries, H.P., et al. **78**, 329 (1984)
Poulet, S.A., Martin-Jézéquel, V.: Relationships between dissolved free amino acids, chemical composition and growth of the marine diatom *Chaetoceros debile* **77**, 93 (1983)
Poulet, S.A., see Harris, R.P., et al. **90**, 353 (1986)
Poulet, S.A., see Williams, R. **90**, 279 (1986)
Poulin, M., Cardinal, A., Legendre, L.: Réponse d'une communauté de diatomées de glace à un gradient de salinité (baie d'Hudson). [Response of a community of ice diatoms to a salinity gradient (Hudson Bay)] **76**, 191 (1983)
Powell, E.N., Bright, T.J., Woods, A., Gittings, S.: Meiofauna and the thiobios in the East Flower Garden brine seep **73**, 269 (1983)
Powell, E.N., see Kendall, J.J., Jr., et al. **87**, 33 (1985)
Pregnall, A.M.: Release of dissolved organic carbon from the estuarine intertidal macroalga *Enteromorpha prolifera* **73**, 37 (1983)
Pregnall, A.M., Smith, R.D., Kursar, T.A., Alberte, R.S.: Metabolic adaptation of *Zostera marina* (eelgrass) to diurnal periods of root anoxia **83**, 141 (1984)
Present, T.M.C., see Smith, C.R. **73**, 183 (1983)
Prézelin, B.B., Matlick, H.A.: Nutrient-dependent low-light adaptation in the dinoflagellate *Gonyaulax polyedra* **74**, 141 (1983)
Prézelin, B.B., see Chang, S.S., et al.**76**, 219 (1983)
Price, H.J., Paffenhöfer, G.-A.: Effects of feeding experience in the copepod *Eucalanus pileatus:* a cinematographic study **84**, 35 (1984)
Price, M.H., see Childress, J.J. **76**, 165 (1983)
Price, N.M., see Trick, C.G., et al. **75**, 9 (1983)
Prieur, D., see Desbruyères, D., et al. **75**, 201 (1983)
Prince, J.S., see O'Neal, S.W. **72**, 61 (1982)
Priscu, J.C., Priscu, L.R.: Photosynthate partitioning by phytoplankton in a New Zealand coastal upwelling system **81**, 31 (1984)
Priscu, L.R., see Priscu, J.C. **81**, 31 (1984)
Probyn, T.A., Chapman, A.R.O.: Nitrogen uptake characteristics of *Chordaria flagelliformis* (Phaeophyta) in batch mode and continuous mode experiments **71**, 129 (1982)
Probyn, T.A., McQuaid, C.D.: *In-situ* measurements of nitrogenous nutrient uptake by kelp *(Ecklonia maxima)* and phytoplankton in a nitrate-rich upwelling environment **88**, 149 (1985)
Provan, A., see Stoecker, D., et al. **75**, 293 (1983)
Purcell, J.E.: Digestion rates and assimilation efficiencies of siphonophores fed zooplankton prey **73**, 257 (1983)
Purcell, L.J., see Bray, R.N., et al. **90**, 327 (1986)

Q

Quammen, M.L.: Influence of subtle substrate differences on feeding by shorebirds on intertidal mudflats **71**, 339 (1982)
Quéguiner, B., Legendre, L.: Phytoplankton photosynthetic adaptation to high frequency light fluctuations simulating those induced by sea surface waves **90**, 483 (1986)
Quetin, L.B., Ross, R.M.: Depth distribution of developing *Euphausia superba* embryos, predicted from sinking rates **79**, 47 (1984)
Quetin, L.B., see Ross, R.M. **77**, 201 (1983)
Quicke, D.L.J., Donoghue, A.M., Brace, R.C.: Biochemical-genetic and ecological evidence that red/brown individuals of the anemone *Actinia equina* comprise two morphs in Britain **77**, 29 (1983)
Quillfeldt, C. de, see Bricelj, V.M., et al. **84**, 167 (1984)

R

Radha, T., Subramoniam, T.: Origin and nature of spermatophoric mass of the spiny lobster *Panulirus homarus* **86**, 13 (1985)
Radtke, R.L.: Chemical and structural characteristics of statoliths from the short-finned squid *Illex illecebrosus* **76**, 47 (1983)
Rainbow, P.S., see Ridout, P.S., et al. **87**, 285 (1985)
Rainer, S.F.: Population dynamics and production of the bivalve *Abra alba* and implications for fisheries production **85**, 253 (1985)
Ralph, R., see Astthorsson, O.S. **79**, 55 (1984)
Rambeloarisoa, E., Rontani, J.F., Giusti, G., Duvnjak, Z., Bertrand, J.C.: Degradation of crude oil by a mixed population of bacteria isolated from sea-surface foams **83**, 69 (1984)
Randløv, A., see Hamburger, K., et al. **75**, 303 (1983)
Rasmussen, L.P.D., Hage, E., Karlog, O.: Light and electronmicroscopic studies of the acute and long-term toxic effects of N-nitrosodipropylamine and N-methylnitrosurea on the marine mussel *Mytilus edulis* **85**, 55 (1985)
Rasmussen, M.B., Henriksen, K., Jensen, A.: Possible causes of temporal fluctuations in primary production of the microphytobenthos in the Danish Wadden Sea **73**, 109 (1983)
Rau, G.H., see Desbruyères, D., et al. **75**, 201 (1983)
Redalje, D.G., see Koike, I., et al. **74**, 161 (1983)
Reed, R.H., Stewart, W.D.P.: Osmotic adjustment and organic solute accumulation in unicellular cyanobacteria from freshwater and marine habitats **88**, 1 (1985)
Reed, R.H., see Warr, S.R.C., et al. **79**, 21 (1984)
Régis, M.B.: Microstructure adaptative des radioles de *Paracentrotus lividus* (Echinodermata: Echinoidea) en milieu eutrophisé par des eaux usées. [Adaptive microstructure of the spines of *Paracentrotus lividus* (Echinodermata: Echinoidea) in an area polluted by domestic effluents] **90**, 271 (1986)
Régis, M.B., Thomassin, B.A.: Anomalies de structure des radioles de *Heterocentrotus mammillatus* (Echinodermata: Echinoidea) en microcosme *in vitro*. [Structural anomalies in the spines of *Heterocentrotus mammillatus* (Echinodermata: Echinoidea) in an *in vitro* microcosm] **75**, 89 (1983)

Rehm, E., see Schulz-Baldes, M., et al. **75**, 307 (1983)
Reid, F.M.H., see Eppley, R.W., et al. **80**, 207 (1984)
Reise, K.: Experimental removal of lugworms from marine sand affects small zoobenthos **74**, 327 (1983)
Remillard, J.F., see Cowles, T.J. **78**, 45 (1983)
Resing, J.M., see Ayre, D.J. **90**, 187 (1986)
Revsbech, N.P., see Sand-Jensen, K., et al. **89**, 55 (1985)
Rice, E.L., Chapman, A.R.O.: Net productivity of two cohorts of *Chordaria flagelliformis* (Phaeophyta) in Nova Scotia, Canada **71**, 107 (1982)
Rice, E.L., Kenchington, T.J., Chapman, A.R.O.: Intraspecific geographic-morphological variation patterns in *Fucus distichus* and *F. evanescens* **88**, 207 (1985)
Rice, S., see Laurén, D.J. **88**, 135 (1985)
Rice, S.D., see O'Clair, C.E. **84**, 331 (1985)
Rice, S.D., see Stickle, W.B., et al. **80**, 281 (1984)
Richardson, K., see Manahan, D.T. **75**, 241 (1983)
Richter, W.: Distribution of the soft-bottom macroinfauna in an estuary of Southern Chile **86**, 93 (1985)
Ricketts, C., see Watkins, J.L., et al. **86**, 123 (1985)
Ridout, P.S., Morris, R.J.: Short-term variations in the pigment composition of a spring phytoplankton bloom from an enclosed experimental ecosystem **87**, 7 (1985)
Ridout, P.S., Willcocks, A.D., Morris, R.J., White, S.L., Rainbow, P.S.: Concentrations of Mn, Fe, Cu, Zn and Cd in the mesopelagic decapod *Systellaspis debilis* from the East Atlantic Ocean **87**, 285 (1985)
Ridoux, V., see Offredo, C., et al. **86**, 199 (1985)
Riera, T., see Gili, J.M., et al. **90**, 291 (1986)
Rigler, M.W., see Patton, J.S., et al. **75**, 121 (1983)
Riisgård, H.U., Kiørboe, T., Møhlenberg, F., Drabæk, I., Pheiffer Madsen, P.: Accumulation, elimination and chemical speciation of mercury in the bivalves *Mytilus edulis* and *Macoma balthica* **86**, 55 (1985)
Riisgård, H.U., see Hamburger, K., et al. **75**, 303 (1983)
Rimmer, D.W., see Johannes, R.E. **83**, 149 (1984)
Rinkevich, B., Loya, Y.: Does light enhance calcification in hermatypic corals? **80**, 1 (1984)
Rinkevich, B., Loya, Y.: Coral illumination through an optic glass-fiber: incorporation of ^{14}C photosynthates **80**, 7 (1984)
Ritacco, P.J., see Sullivan, B.K., et al. **77**, 299 (1983)
Ritz, D.A., see Hosie, G.W. **77**, 215 (1983)
Ritz, D.A., see Thomas, P.G. **90**, 255 (1986)
Rivière, D.: Comparaison biochimique de quatre espèces de copépodes planctoniques de Méditerranée nord-occidentale à partir des enzymogrammes des estérases, de la leucine aminopeptidase, de la phosphatase alcaline, de la malate déshydrogénase et de l'enzyme malique. [Biochemical comparison of four species of planktonic copepods of the northwest Mediterranean by means of enzymograms of esterases, leucine aminopeptidase, alkaline phosphatase, malate dehydrogenase and the malic enzyme] **75**, 19 (1983)
Rivière, D., Kerambrun, P., avec la participation du Groupe EPOPEM (Equipe de Pollution Pélagique de Marseille): Impact d'une pollution d'origine urbaine sur les activités enzymatiques de deux copépodes planctoniques *(Acartia clausi* et *Centropages typicus)*. [Impact of domestic sewage pollution on enzymatic activities of two planktonic copepods *(Acartia clausi* and *Centropages typicus)*] **75**, 25 (1983)
Rivkin, R.B.: Carbon-14 labelling patterns of individual marine phytoplankton from natural populations **89**, 135 (1985)
Rivkin, R.B., Swift, E.: Phosphorus metabolism of oceanic dinoflagellates: phosphate uptake, chemical composition and growth of *Pyrocystis noctiluca* **88**, 189 (1985)
Rivkin, R.B., see Seliger, H.H., et al. **71**, 57 (1982)
Robertson, A.I., Mann, K.H.: Disturbance by ice and life-history adaptations of the seagrass *Zostera marina* **80**, 131 (1984)
Robins, D.B., see Williams, R. **71**, 271 (1982)
Robinson, S.M.C., see Hartwick, E.B., et al. **82**, 65 (1984)
Robison, B.H.: Herbivory by the myctophid fish *Ceratoscopelus warmingii* **84**, 119 (1984)
Robison, B.H., see Alldredge, A.L., et al. **80**, 75 (1984)
Roden, C.M., see Rodhouse, P.G., et al. **84**, 27 (1984)
Rodhouse, P.G., Gaffney, P.M.: Effect of heterozygosity on metabolism during starvation in the American oyster *Crassostrea virginica* **80**, 179 (1984)
Rodhouse, P.G., McDonald, J.H., Newell, R.I.E., Koehn, R.K.: Gamete production, somatic growth and multiple-locus enzyme heterozygosity in *Mytilus edulis* **90**, 209 (1986)
Rodhouse, P.G., Roden, C.M., Hensey, M.P., Ryan, T.H.: Resource allocation in *Mytilus edulis* on the shore and in suspended culture **84**, 27 (1984)
Roe, H.S.J.: Vertical distributions of euphausiids and fish in relation to light intensity in the Northeastern Atlantic **77**, 287 (1983)
Roesijadi, G., Crecelius, E.A.: Elemental composition of the hydrothermal vent clam *Calyptogena magnifica* from the East Pacific Rise **83**, 155 (1984)
Roman, M.R., see Gottfried, M. **72**, 211 (1983)
Romano, J.-C., Navarro, A.: Utilisation des mesures de charge énergétique, d'ETS et de ^{14}C-assimilation pour le suivi de l'activité microplanctonique dans des eaux côtières sous l'influence de rejets urbains. [Utilization of energy-charge, ETS and ^{14}C-assimilation measurements for the study of microplanktonic activity in coastal waters under the influence of urban sewage] **87**, 229 (1985)
Romano, J.-C., see Gostan, J., et al. **86**, 213 (1985)
Romero, P., González-Gurriarán, E., Penas, E.: Influence of mussel rafts on spatial and seasonal abundance of crabs in the Ría de Arousa, North-West Spain **72**, 201 (1982)
Rondeau, J.-G., see Cossa, D. **88**, 43 (1985)
Rontani, J.F., see Rambeloarisoa, E., et al. **83**, 69 (1984)
Roosenburg, W.H., see Wright, D.A., et al. **77**, 271 (1983)
Rosenberg, A.A., Haugen, A.S.: Individual growth and size-selective mortality of larval turbot *(Scophthalmus maximus)* reared in enclosures **72**, 73 (1982)
Ross, R.M.: Annual, semilunar, and diel reproductive rhythms in the Hawaiian iabrid *Thalassoma duperrey* **72**, 311 (1983)
Ross, R.M., Quetin, L.B.: Spawning frequency and fecundity of the Antarctic krill *Euphausia superba* **77**, 201 (1983)
Ross, R.M., see Quetin, L.B. **79**, 47 (1984)
Rossignol, M., see Caye G. **75**, 79 (1983)
Rottini Sandrini, L., Avian, M.: Biological cycle of *Pelagia noctiluca:* morphological aspects of the development from planula to ephyra **74**, 169 (1983)
Roux, B., see Tagger, S., et al. **78**, 13 (1983)
Rowley, R.J., see Ebeling, A.W., et al. **84**, 287 (1985)
Rüffer, U., see Nultsch, W., et al. **81**, 217 (1984)
Rumrill, S.S., Cameron, R.A.: Effects of gamma-aminobutyric acid on the settlement of larvae of the black chiton *Katharina tunicata* **72**, 243 (1983)
Rumrill, S.S., see Cameron, R.A. **71**, 197 (1982)
Runge, J.A., McLaren, I.A., Corkett, C.J., Bohrer, R.N., Koslow, J.A.: Molting rates and cohort development of *Calanus finmarchicus* and *C. glacialis* in the sea off southwest Nova Scotia **86**, 241 (1985)
Russo, S.F., see Holzman, T.F., et al. **90**, 55 (1985)
Ryan, T.H., see Rodhouse, P.G., et al. **84**, 27 (1984)
Ryland, J.S., see Dyrynda, P.E.J. **71**, 241 (1982)

S

Sadée, C.F.M., see Veer, H.W. van der **79**, 219 (1984)
Sakai, T., see Endo, M., et al. **87**, 193 (1985)
Saks, N.M.: Primary production and heterotrophy of a pennate and a centric salt marsh diatom **76**, 241 (1983)
Saks, N.M., see Lee, J.J., et al. **82**, 113 (1984)
Sale, P.F., see Brothers, E.B., et al. **76**, 319 (1983)

Saltzmann, H.A.: Biodegradation of aromatic hydrocarbon in marine sediments of three North Sea oil fields **72**, 17 (1982)
Samain, J.-F., see Harris, R.P., et al. **90**, 353 (1986)
Sammarco, P.W., Crenshaw, H.: Plankton community dynamics of the central Great Barrier Reef Lagoon: analysis of data from Ikeda et al. **82**, 167 (1984)
Sammarco, P.W., see Wilkinson, C.R., et al. **80**, 255 (1984)
Sand-Jensen, K., Gordon, D.M.: Differential ability of marine and freshwater macrophytes to utilize HCO_3^- and CO_2 **80**, 247 (1984)
Sand-Jensen, K., Revsbech, N.P., Barker Jørgensen, B.: Microprofiles of oxygen in epiphyte communities on submerged macrophytes **89**, 55 (1985)
Sander, F., see Tomascik, T. **87**, 143 (1985)
Sargent, J.R., Eilertsen, H.C., Falk-Petersen, S., Taasen, J.P.: Carbon assimilation and lipid production in phytoplankton in northern Norwegian fjords **85**, 109 (1985)
Sargent, J.R., Falk-Petersen, I.-B., Calder, A.G.: Fatty acid compositions of neutral glycerides from the ovaries of the asteroids *Ctenodiscus crispatus, Asterias lincki* and *Pteraster militaris* from Balsfjorden, northern Norway **72**, 257 (1983)
Sargent, J.R., Gatten, R.R., Merrett, N.R.: Lipids of *Hoplostethus atlanticus* and *H. mediterraneus* (Beryciformes: Trachichthyidae) from deep water to the west of Britain **74**, 281 (1983)
Sargent, J.R., Hopkins, C.C.E., Seiring, J.V., Youngson, A.: Partial characterization of organic material in surface sediments from Balsfjorden, northern Norway, in relation to its origin and nutritional value for sediment-ingesting animals **76**, 87 (1983)
Sargent, J.R., see Henderson, R.J., et al. **78**, 255 (1984)
Sato, S., see Kodama, M., et al. **87**, 199 (1985)
Satsmadjis, J., Voutsinou-Taliadouri, F.: *Mytilus galloprovincialis* and *Parapenaeus longirostris* as bioindicators of heavy metal and organochlorine pollution **76**, 115 (1983)
Scalera-Liaci, L., see Simpson, T.L., et al. **86**, 37 (1985)
Scapini, F., see Ugolini, A., et al. **90**, 449 (1986)
Schaefer, C.T., Lewin, J.: Persistent blooms of surf diatoms along the Pacific coast, USA. IV. Diatom productivity and its relation to standing stock **83**, 205 (1984)
Scheibling, R.E., Stephenson, R.L.: Mass mortality of *Strongylocentrotus droebachiensis* (Echinodermata: Echinoidea) off Nova Scotia, Canada **78**, 153 (1984)
Schekter, R.C., see Houde, E.D. **72**, 283 (1983)
Schembri, P.J.: Locomotion, feeding, grooming and the behavioural responses to gravity, light and hydrostatic pressure in the stage I zoea larvae of *Ebalia tuberosa* (Crustacea: Decapoda: Leucosiidae) **72**, 125 (1982)
Schlichter, D., Kremer, B.P., Svoboda, A.: Zooxanthellae providing assimilatory power for the incorporation of exogenous acetate in *Heteroxenia fuscescens* (Cnidaria: Alcyonaria) **83**, 277 (1984)
Schlichter, D., Svoboda, A., Kremer, B.P.: Functional autotrophy of *Heteroxenia fuscescens* (Anthozoa: Alcyonaria): carbon assimilation and translocation of photosynthates from symbionts to host **78**, 29 (1983)
Schlichter, D., Weber, W., Fricke, H.W.: A chromatophore system in the hermatypic, deep-water coral *Leptoseris fragilis* (Anthozoa: Hexacorallia) **89**, 143 (1985)
Schmitz, K.: A cell system for symplastic transport of photoassimilate between meristoderm and sieve elements in *Alaria tenuifolia* **78**, 209 (1984)
Scholl, A., see Bulnheim, H.-P. **71**, 163 (1982)
Schöttler, U.: An investigation on the anaerobic metabolism of *Nephtys hombergii* (Annelida: Polychaeta) **71**, 265 (1982)
Schöttler, U., Surholt, B., Zebe, E.: Anaerobic metabolism in *Arenicola marina* and *Nereis diversicolor* during low tide **81**, 69 (1984)
Schröder, H.C., see Müller, W.E.G., et al. **76**, 1 (1983)
Schroeter, S.C., see Dean, T.A., et al. **78**, 301 (1984)
Schulz, K., see Kinzer, J. **85**, 313 (1985)
Schulz, R., see Graf, G., et al. **77**, 235 (1983)
Schulz-Baldes, M., Rehm, E., Farke, H.: Field experiments on the fate of lead and chromium in an intertidal benthic mesocosm, the Bremerhaven Caisson **75**, 307 (1983)
Schulz-Baldes, M., see Cheng, L., et al. **79**, 321 (1984)
Scoditti, P.-M., see Bensoussan, M.G., et al. **79**, 1 (1984)
Seapy, R.R., Littler, M.M.: Population and species diversity fluctuations in a rocky intertidal community relative to severe aerial exposure and sediment burial **71**, 87 (1982)
Sebens, K.P., Koehl, M.A.R.: Predation on zooplankton by the benthic anthozoans *Alcyonium siderium* (Alcyonacea) and *Metridium senile* (Actiniaria) in the New England subtidal **81**, 255 (1984)
Seguin, G., see Vaissière, R. **83**, 1 (1984)
Seiring, J.V., see Sargent, J.R., et al. **76**, 87 (1983)
Seliger, H.H., Boggs, J.A., Rivkin, R.B., Biggley, W.H., Aspden, K.R.H.: The transport of oyster larvae in an estuary **71**, 57 (1982)
Selvin, R., see Yentsch, C.M., et al. **89**, 9 (1985)
Settle, D.M., see Flegal, A.R., et al. **90**, 501 (1986)
Shaklee, J.B.: Mannosephosphate isomerase in the Hawaiian spiny lobster *Panulirus marginatus:* a polymorphic, sex-linked locus useful in investigating embryonic and larval sex ratios **73**, 193 (1983)
Shepherd, S.A.: Studies on Southern Australian abalone (genus *Haliotis*). VII. Aggregative behaviour of *H. laevigata* in relation to spawning **90**, 231 (1986)
Sherman, K., see Jeffries, H.P., et al. **78**, 329 (1984)
Shick, J.M., see Widdows, J. **85**, 217 (1985)
Shilo, M., see Lee, J.J., et al. **82**, 113 (1984)
Shimada, M., see Toyoshima, T., et al. **88**, 101 (1985)
Shrader, P.B., see Commito, J.A. **86**, 101 (1985)
Shushkina, E.A., see Vinogradov, M.E., et al. **89**, 95 (1985)
Siau, Y., see Bouain, A. **73**, 211 (1983)
Sibuet, M., see Cahet, G. **90**, 307 (1986)
Siebenaller, J.F., Yancey, P.H.: Protein composition of white skeletal muscle from mesopelagic fishes having different water and protein contents **78**, 129 (1984)
Siebers, D., Winkler, A., Lucu, C., Thedens, G., Weichart, D.: Na-K-ATPase generates an active transport potential in the gills of the hyperregulating shore crab *Carcinus maenas* **87**, 185 (1985)
Sieburth, J.McN., see Johnson, K.M., et al. **77**, 1 (1983)
Siegel, P.R., Wenner, A.M.: Abnormal production of the sand crab *Emerita analoga* in the vicinity of a nuclear generating station in Southern California **80**, 341 (1984)
Siegmund, B., see Pörtner, H.-O., et al. **79**, 237 (1984)
Silver, M.W., see Gowing, M.M. **73**, 7 (1983)
Sim, R.G., see Entsch, B., et al **73**, 17 (1983)
Simidu, U., see Fukami, K., et al. **76**, 253 (1983)
Simidu, U., see Nagasawa, S., et al. **87**, 61 (1985)
Simidu, U., see Nagasawa, S., et al. **87**, 67 (1985)
Simpson, T.L., Langenbruch, P.F., Scalera-Liaci, L.: Cortical and endosomal structure of the marine sponge *Stelletta grubii* **86**, 37 (1985)
Singla, C.L., see Burgh, M.E. de **84**, 1 (1984)
Sire, J.-Y., Bonnet, P.: Croissance et structure de l'opercule calcifié du gastéropode polynésien *Turbo setosus* (Prosobranchia: Turbinidae): détermination de l'âge individuel. [Growth and structure of the calcified operculum of the Polynesian gastropod *Turbo setosus* (Prosobranchia: Turbinidae): determination of individual age] **79**, 75 (1984)
Sjöstedt, L., see Aneer, G., et al. **74**, 105 (1983)
Skadsheim, A., see Clarke, A., et al. **88**, 247 (1985)
Skeel, M.E., see Nell, J.A., et al. **74**, 313 (1983)
Smetacek, V.S.: Role of sinking in diatom life-history cycles: ecological, evolutionary and geological significance **84**, 239 (1985)
Smith, B.D., Foreman, R.E.: An assessment of seaweed decomposition within a south-

ern Strait of Georgia seaweed community **84**, 197 (1984)
Smith, C.R., Present, T.M.C.: *In vivo* marking of shallow-water and deep-sea amphipods by ingestion of bait mixed with fast green **73**, 183 (1983)
Smith, D.F., Horner, S.M.J.: Laboratory and field measurement of aquatic productivity made by a minicomputer employing a dual oxygen electrode system **72**, 53 (1982)
Smith, D.F., see Horner, S.M.J. **81**, 231 (1984)
Smith, K.L. Jr.: Metabolism of two dominant epibenthic echinoderms measured at bathyal depths in the Santa Catalina Basin **72**, 249 (1983)
Smith, K.L., Jr., Brown, N.O.: Oxygen consumption of pelagic juveniles and demersal adults of the deep-sea fish *Sebastolobus altivelis*, measured at depth **76**, 325 (1983)
Smith, K.L., Jr., see Wilson, R.R., Jr. **84**, 83 (1984)
Smith, P.J., Francis, R.I.C.C.: Glucosephosphate isomerase genotype frequencies, homozygous excess and size relationships in the sand flounder *Rhombosolea plebeia* **79**, 93 (1984)
Smith, R.D., see Pregnall, A.M., et al. **83**, 141 (1984)
Smith, R.E.H., Harrison, W.G., Harris, L.: Phosphorus exchange in marine microplankton communities near Hawaii **86**, 75 (1985)
Smith, R.L., Hargreaves, B.R.: Oxygen consumption in *Neomysis americana* (Crustacea: Mysidacea), and the effects of naphthalene exposure **79**, 109 (1984)
Smith, S.L., Lane, P.V.Z.: Laboratory studies of the marine copepod *Centropages typicus:* egg production and development rates **85**, 153 (1985)
Solbakken, J.E., Ingebrigtsen, K., Palmork, K.H.: Comparative study on the fate of the polychlorinated biphenyl 2,4,5,2',4',5'-hexachlorobiphenyl and the polycyclic aromatic hydrocarbon phenanthrene in flounder *(Platichthys flesus)*, determined by liquid scintillation counting and autoradiography **83**, 239 (1984)
Solé-Cava, A.M., Thorpe, J.P., Kaye, J.G.: Reproductive isolation with little genetic divergence between *Urticina (= Tealia) felina* and *U. eques* (Anthozoa: Actiniaria) **85**, 279 (1985)
Somasundaram, B.: Effects of zinc on epidermal ultrastructure in the larva of *Clupea harengus* **85**, 199 (1985)
Somayajulu, B.L.K., see Kendall, A.W., Jr., et al. **75**, 193 (1983)
Sørensen, J., see Andersen, T.K., et al. **83**, 171 (1984)
Sørensen, J., see Jensen, H.B., et al. **83**, 177 (1984)
Specchi, M., see Benović, A., et al. **79**, 209 (1984)
Spies, R.B., DesMarais, D.J.: Natural isotope study of trophic enrichment of marine benthic communities by petroleum seepage **73**, 67 (1983)
Stählin, W., see Storch, V., et al. **74**, 101 (1983)
Stal, L.J., Grossberger, S., Krumbein, W.E.: Nitrogen fixation associated with the cyanobacterial mat of a marine laminated microbial ecosystem **82**, 217 (1984)
Star, J.L., see Huntley, M.E., et al. **74**, 151 (1983)
Stearns, D.E., Forward, R.B., Jr.: Photosensitivity of the calanoid copepod *Acartia tonsa* **82**, 85 (1984)
Stearns, D.E., Forward, R.B., Jr.: Copepod photobehavior in a simulated natural light environment and its relation to nocturnal vertical migration **82**, 91 (1984)
Stefanovich, M., see Kljajić, Z., et al. **84**, 225 (1985)
Steffen, R., see Kljajić, Z., et al. **84**, 225 (1985)
Stegeman, J.J.: Benzo[a]pyrene oxidation and microsomal enzyme activity in the mussel *(Mytilus edulis)* and other bivalve mollusc species from the Western North Atlantic **89**, 21 (1985)
Stephenson, R.L., Tan, F.C., Mann, K.H.: Stable carbon isotope variability in marine macrophytes and its implications for food web studies **81**, 223 (1984)
Stephenson, R.L., see Scheibling, R.E. **78**, 153 (1984)
Stevens, B.G., Armstrong, D.A., Cusimano, R.: Feeding habits of the Dungeness crab *Cancer magister* as determined by the index of relative importance **72**, 135 (1982)
Stewart, E., see Eppley, R.W., et al. **80**, 207 (1984)
Stewart, W.D.P., see Davison, I.R. **77**, 107 (1983)
Stewart, W.D.P., see Davison, I.R., et al. **84**, 207 (1984)
Stewart, W.D.P., see Reed, R.H. **88**, 1 (1985)
Stewart, W.D.P., see Warr, S.R.C., et al. **79**, 21 (1984)
Stickle, W.B., Rice, S.D., Moles, A.: Bioenergetics and survival of the marine snail *Thais lima* during long-term oil exposure **80**, 281 (1984)
Stockton, W.L.: The biology and ecology of the epifaunal scallop *Adamussium colbecki* on the west side of McMurdo Sound, Antarctica **78**, 171 (1984)
Stoddart, J.A.: Asexual production of planulae in the coral *Pocillopora damicornis* **76**, 279 (1983)
Stoddart, J.A.: Genetical structure within populations of the coral *Pocillopora damicornis* **81**, 19 (1984)
Stoddart, J.A., see Heyward, A.J. **85**, 117 (1985)
Stoecker, D., Davis, L.H., Provan, A.: Growth of *Favella* sp. (Ciliata: Tintinnina) and other microzooplankters in cages incubated *in situ* and comparison to growth *in vitro* **75**, 293 (1983)
Stoecker, D., see Verity, P.G. **72**, 79 (1982)
Stoecker, D.K., Govoni, J.J.: Food selection by young larval gulf menhaden *(Brevoortia patronus)* **80**, 299 (1984)
Stoeppler, M., see Martinčić, D., et al. **81**, 177 (1984)
Storch, V., Stählin, W., Juario, J.V.: Effect of different diets on the ultrastructure of hepatocytes of *Chanos chanos* fry (Chanidae: Teleostei): an electron microscopic and morphometric analysis **74**, 101 (1983)
Streamer, M., McNeil, Y., Yellowlees, D.: The short-term partitioning of carbon-14 assimilate between zooxanthellae and polyp tissue in *Acropora formosa* **90**, 565 (1986)
Strickler, J.R., see Colman, R.S., et al. **83**, 125 (1984)
Strickler, J.R., see Meyer, D.L., et al. **78**, 179 (1984)
Strohal, P., see Huljev, D. **73**, 239 (1983)
Strohal, P., see Huljev, D. **73**, 243 (1983)
Strömgren, T.: Effect of heavy metals (Zn, Hg, Cu, Cd, Pb, Ni) on the length growth of *Mytilus edulis* **72**, 69 (1982)
Strömgren, T.: Effect of light on apical length growth of *Fucus distichus* ssp. *edentatus* (Phaeophyta) **86**, 263 (1985)
Strömgren, T., Nielsen, M.V.: Effect of diurnal variations in natural irradiance on the apical length growth and light saturation of growth in five species of benthic macroalgae **90**, 467 (1986)
Subramoniam, T., see Deecaraman, M. **77**, 161 (1983)
Subramoniam, T., see Radha, T. **86**, 13 (1985)
Suer, A.L.: Growth and spawning of *Urechis caupo* (Echiura) in Bodega Harbor, California **78**, 275 (1984)
Sulkin, S.D., see Kelly, P., et al. **72**, 35 (1982)
Sulkin, S.D., see McConnaughey, R.A. **81**, 139 (1984)
Sullivan, B.K., Buskey, E., Miller, D.C., Ritacco, P.J.: Effects of copper and cadmium on growth, swimming and predator avoidance in *Eurytemora affinis* (Copepoda) **77**, 299 (1983)
Summers, B., see Al-Hassan, J.M., et al. **88**, 117 (1985)
Sunda, W.G., see Willis, J.N. **80**, 273 (1984)
Sundberg, P., see Janson, K. **74**, 49 (1983)
Sundelin, B.: Effects of cadmium on *Pontoporeia affinis* (Crustacea: Amphipoda) in laboratory soft-bottom microcosms **74**, 203 (1983)
Sundelin, B., see Elmgren, R., et al. **73**, 51 (1983)
Surholt, B., see Schöttler, U., et al. **81**, 69 (1984)
Svane, I.: Sex determination in *Scalpellum scalpellum* (Cirripedia: Thoracica: Lepadomorpha), a hermaphroditic goose barnacle with dwarf males **90**, 249 (1986)
Svoboda, A., see Schlichter, D., et al. **78**, 29 (1983)
Svoboda, A., see Schlichter, D., et al. **83**, 277 (1984)
Swain, T., see Wilson, J.O., et al. **90**, 129 (1985)
Swanberg, N.R., see Anderson, O.R., et al. **77**, 265 (1983)
Swanberg, N.R., see Anderson, O.R., et al. **78**, 205 (1984)
Sweatmen, H.P.A.: Influence of conspecifics on choice of settlement sites by larvae of

two pomacentrid fishes *(Dascyllus aruanus* and *D. reticulatus)* on coral reefs **75**, 225 (1983)
Swift, E., see Lessard, E.J. **87**, 289 (1985)
Swift, E., see Rivkin, R.B. **88**, 189 (1985)
Sykes, P.F., see Galt, C.P. **77**, 155 (1983)
Syrett, P.J., see Everest, S.A., et al. **90**, 165 (1986)
Syrett, P.J., see Flynn, K.J. **89**, 317 (1985)
Syrett, P.J., see Flynn, K.J. **90**, 151 (1986)
Syrett, P.J., see Flynn, K.J. **90**, 159 (1986)
Syrett, P.J., see Hipkin, C.R., et al. **77**, 101 (1983)
Szmant-Froelich, A., Pilson, M.E.Q.: Effects of feeding frequency and symbiosis with zooxanthellae on nitrogen metabolism and respiration of the coral *Astrangia danae* **81**, 153 (1984)

T

Taasen, J.P., see Sargent, J.R., et al. **85**, 109 (1985)
Tabbu, M.Y., see Gacutan, R.Q., et al. **87**, 223 (1985)
Taga, N., see Fukami, K., et al. **76**, 253 (1983)
Taga, N., see Maeda, M., et al. **76**, 257 (1983)
Tagger, S., Bianchi, A., Julliard, M., Le Petit, J., Roux, B.: Effect of microbial seeding of crude oil in seawater in a model system **78**, 13 (1983)
Takahashi, M., Bienfang, P.K.: Size structure of phytoplankton biomass and photosynthesis in subtropical Hawaiian waters **76**, 203 (1983)
Takahashi, M., Hori, T.: Abundance of picophytoplankton in the subsurface chlorophyll maximum layer in subtropical and tropical waters **79**, 177 (1984)
Takahashi, M., Kikuchi, K., Hara, Y.: Importance of picocyanobacteria biomass (unicellular, blue-green algae) in the phytoplankton population of the coastal waters off Japan **89**, 63 (1985)
Takahashi, M., see Bienfang, P.K. **76**, 213 (1983)
Takahashi, M., see Hama, T., et al. **73**, 31 (1983)
Takahashi, M.,see Ishizaka, J., et al. **76**, 271 (1983)
Talbot, V.: Relationship between cadmium concentrations in seawater and those in the mussel *Mytilus edulis* **85**, 51 (1985)
Tan, F.C., see Stephenson, R.L., et al. **81**, 223 (1984)
Tan, T.L.: Unbalanced growth of *Acinetobacter* CS 13 in glucose-limited chemostats caused by sublethal $CdCl_2$ concentrations **76**, 247 (1983)
Tande, K.S., Båmstedt, U.: Grazing rates of the copepods *Calanus glacialis* and *C. finmarchicus* in arctic waters of the Barents Sea **87**, 251 (1985)
Tande, K.S., see Båmstedt, U. **87**, 259 (1985)
Tapiolas, D.M., see Coll, J.C., et al. **74**, 35 (1983)
Tay, D., see O'Brien, D.P., et al. **90**, 517 (1986)
Taylor, D.M., see Patel, B., et al. **80**, 45 (1984)
Taylor, E.B., see Thomas, T.E., et al. **84**, 267 (1985)
Taylor, J., see Parkes, R.J. **77**, 113 (1983)
Taylor, J., see Parkes, R.J., et al. **83**, 271 (1984)
Tebo, B.M., see Haygood, M.G., et al. **78**, 249 (1984)
Telford, M.: An experimental analysis of lunule function in the sand dollar *Mellita quinquiesperforata* **76**, 125 (1983)
Tenhunen, J.D., see Catarino, F., et al. **89**, 37 (1985)
Tenore, K.R., Guidi, L.: Carbon-14 net incorporation does not accurately estimate the weight-specific growth rate of the polychaete *Capitella capitata* **79**, 101 (1984)
Tenore, K.R., see Chesney, E.J., Jr. **85**, 77 (1985)
Tenore, K.R., see Lapointe, B.E., et al. **80**, 161 (1984)
Tenore, K.R., see Lapointe, B.E., et al. **80**, 171 (1984)
Terazaki, M., Miller, C.B.: Reproduction of meso- and bathypelagic chaetognaths in the genus *Eukrohnia* **71**, 193 (1982)
Tester, P.A.: Effects of parental acclimation temperature and egg-incubation temperature on egg-hatching time in *Acartia tonsa* (Copepoda: Calanoida) **89**, 45 (1985)
Tester, P.A., see Turner, J.T., et al. **90**, 1 (1985)
Thedens, G., see Siebers, D., et al. **87**, 185 (1985)
Therriault, J.-C., see De Ladurantaye, R., et al. **82**, 21 (1984)
Therriault, J.-C., see Demers, S., et al. **78**, 185 (1984)
Therriault, J.-C., see Legendre, L., et al. **88**, 301 (1985)
Thiriot-Quiévreux, C.: Le caryotype d'*Aulacomya ater regia* (Mollusca: Bivalvia: Mytilidae) des Iles Kerguelen. [The karyotype of *Aulacomya ater regia* (Mollusca: Bivalvia: Mytilidae) from the Kerguelen Islands] **79**, 89 (1984)
Thistle, D., see Carman, K.R. **88**, 143 (1985)
Thomas, P.G., Ritz, D.A.: Growth of zinc granules in the barnacle *Elminius modestus* **90**, 255 (1986)
Thomas, R.J., see Hipkin, C.R., et al. **77**, 101 (1983)
Thomas, T.E., Harrison, P.J.: Effect of nitrogen supply on nitrogen uptake, accumulation and assimilation in *Porphyra perforata* (Rhodophyta) **85**, 269 (1985)
Thomas, T.E., Harrison, P.J., Taylor, E.B.: Nitrogen uptake and growth of the germlings and mature thalli of *Fucus distichus* **84**, 267 (1985)
Thomassin, B.A., see Régis, M.B. **75**, 89 (1983)
Thompson, J.E.: Exudation of biologically-active metabolites in the sponge *Aplysina fistularis*. I. Biological evidence **88**, 23 (1985)
Thompson, J.E., Walker, R.P., Faulkner, D.J.: Screening and bioassays for biologically-active substances from forty marine sponge species from San Diego, California, USA **88**, 11 (1985)
Thompson, J.E., see Walker, R.P., et al. **88**, 27 (1985)
Thompson, P.A., see Parslow, J.S., et al. **83**, 43 (1984)
Thompson, P.A., see Parslow, J.S., et al. **83**, 51 (1984)
Thompson, R.J.: The reproductive cycle and physiological ecology of the mussel *Mytilus edulis* in a subarctic, non-estuarine environment **79**, 277 (1984)
Thompson, S.M., Jones, G.P.: Interspecific territoriality and competition for food between the reef fishes *Forsterygion varium* and *Pseudolabrus celidotus* **76**, 95 (1983)
Thomson, M., see Al-Hassan, J.M., et al. **88**, 117 (1985)
Thoresen, S.S., see Dortch, Q., et al. **81**, 237 (1984)
Thorpe, J.P., see Best, M.A. **77**, 85 (1983)
Thorpe, J.P., see Best, M.A. **84**, 295 (1985)
Thorpe, J.P., see Macleod, J.A.A., et al. **87**, 77 (1985)
Thorpe, J.P., see Solé-Cava, A.M., et al. **85**, 279 (1985)
Thorpe, R.S., see Boyle, P.R. **79**, 127 (1984)
Thursby, G.B., Harlin, M.M.: Leaf-root interaction in the uptake of ammonia by *Zostera marina* **72**, 109 (1982)
Thursby, G.B., Harlin, M.M.: Interaction of leaves and roots of *Ruppia maritima* in the uptake of phosphate, ammonia and nitrate **83**, 61 (1984)
Thurston, M.H., see Lampitt, R.S., et al. **74**, 73 (1983)
Tiro, L.B., see Benitez, L.V. **71**, 309 (1982)
Tito de Morais, L., Bodiou, J.Y.: Predation on meiofauna by juvenile fish in a Western Mediterranean flatfish nursery ground **82**, 209 (1984)
Tolland, E.L.C., see Gault, N.F.S., et al. **77**, 307 (1983)
Tomascik, T., Sander, F.: Effects of eutrophication on reef-building corals. I. Growth rate of the reef-building coral *Montastrea annularis* **87**, 143 (1985)
Torres, J.J.: Relationship of oxygen consumption to swimming speed in *Euphausia pacifica*. II. Drag, efficiency and a comparison with other swimming organisms **78**, 231 (1984)
Torres, J.J., Childress, J.J.: Relationship of oxygen consumption to swimming speed in *Euphausia pacifica*. 1. Effects of temperature and pressure **74**, 79 (1983)
Torres, J.J., Childress, J.J.: Respiration and chemical composition of the bathypelagic euphausiid *Bentheuphausia amblyops* **87**, 267 (1985)
Torres, J.J., see Alldredge, A.L., et al. **80**, 75 (1984)
Torres, J.J., see Morris, M.J., et al. **86**, 283 (1985)

Toyoshima, T., Ozaki, H.S., Shimada, M., Okaichi, T., Murakami, T.H.: Ultrastructural alterations on chloride cells of the yellowtail *Seriola quinqueradiata*, following exposure to the red tide species *Chattonella antiqua* **88**, 101 (1985)
Tramontano, J.M., see Waslenchuk, D.G., et al. **72**, 219 (1983)
Trench, R.K., see Chang, S.S., et al.**76**, 219 (1983)
Trendall, J.T., see Black, R., et al. **71**, 101 (1982)
Trent, J.D., Yayanos, A.A.: Pressure effects on the temperature range for growth and survival of the marine bacterium *Vibrio harveyi:* implications for bacteria attached to sinking particles **89**, 165 (1985)
Tricas, T.C., Le Feuvre, E.M.: Mating in the reef white-tip shark *Triaenodon obesus* **84**, 233 (1985)
Trick, C.G., Andersen, R.J., Price, N.M., Gillam, A., Harrison, P.J.: Examination of hydroxymate-siderophore production by neritic eukaryotic marine phytoplankton **75**, 9 (1983)
Trott, L.A., see Wilkinson, C.R., et al. **80**, 255 (1984)
Trotter, D., Webster, J.M.: Distribution and abundance of marine nematodes on the kelp *Macrocystis integrifolia* **78**, 39 (1983)
Tsutsumi, H., Kikuchi, T.: Study of the life history of *Capitella capitata* (Polychaeta: Capitellidae) in Amakusa, South Japan including a comparison with other geographical regions **80**, 315 (1984)
Turekian, K.K., see Bennett, J.T., et al. **71**, 209 (1982)
Turner, J.T.: Zooplankton feeding ecology: contents of fecal pellets of the copepods *Temora turbinata* and *T. stylifera* from continental shelf and slope waters near the mouth of the Mississippi River **82**, 73 (1984)
Turner, J.T., Tester, P.A., Hettler, W.F.: Zooplankton feeding ecology. A laboratory study of predation on fish eggs and larvae by the copepods *Anomalocera ornata* and *Centropages typicus* **90**, 1 (1985)
Tuttle, J.H., Wirsen, C.O., Jannasch, H.W.: Microbial activities in the emitted hydrothermal waters of the Galápagos Rift vents **73**, 293 (1983)
Tyler, M.A.: Dye tracing of a subsurface chlorophyll maximum of a red-tide dinoflagellate to surface frontal regions **78**, 285 (1984)
Tyler, P.A., Gage, J.D.: The reproductive biology of echinothuriid and cidarid sea urchins from the deep sea (Rockall Trough, North-East Atlantic Ocean) **80**, 63 (1984)
Tyler, P.A., Gage, J.D., Billett, D.S.M.: Life-history biology of *Peniagone azorica* and *P. diaphana* (Echinodermata: Holothurioidea) from the north-east Atlantic Ocean **89**, 71 (1985)
Tyler, P.A., see Gage, J.D. **71**, 299 (1982)
Tyler, P.A., see Gage, J.D. **90**, 41 (1985)
Tyler, P.A., see Webb, C.M. **89**, 281 (1985)
Tyler, S., see Duffy, J.E. III **83**, 95 (1984)

U

Uglow, R.F., see Hagerman, L. **87**, 273 (1985)
Ugolini, A., Scapini, F., Pardi, L.: Interaction between solar orientation and landscape visibility in *Talitrus saltator* (Crustacea: Amphipoda) **90**, 449 (1986)
Uhlenbruck, G., see Kljajić, Z., et al. **84**, 225 (1985)
Uhlenbruck, G., see Müller, W.E.G., et al. **76**, 1 (1983)
Ulken, A., Jäckle, I., Bahnweg, G.: Morphology, nutrition and taxonomy of an *Aplanochytrium* sp. from the Sargasso Sea **85**, 89 (1985)
Ünsal, M.: Transfer pathways and accumulation of vanadium in the crab *Carcinus maenas* **72**, 279 (1983)
Uye, S., Iwai, Y., Kasahara, S.: Growth and production of the inshore marine copepod *Pseudodiaptomus marinus* in the central part of the Inland Sea of Japan **73**, 91 (1983)

V

Vadas, R.L., Elner, R.W., Garwood, P.E., Babb, I.G.: Experimental evaluation of aggregation behavior in the sea urchin *Strongylocentrotus droebachiensis*. A reinterpretation **90**, 433 (1986)
Vaissière, R., Seguin, G.: Initial observations of the zooplankton microdistribution on the fringing coral reef at Aqaba (Jordan) **83**, 1 (1984)
Valderhaug, V.A.: Population structure and production of *Lumbrineris fragilis* (Polychaeta: Lumbrilneridae) in the Oslofjord (Norway) with a note on metal content of jaws **86**, 203 (1985)
Valderhaug, V.A., Gray, J.S.: Stable macrofauna community structure despite fluctuating food supply in subtidal soft sediments of Oslofjord, Norway **82**, 307 (1984)
Valentin, J.L.: Analyse des paramètres hydrobiologiques dans la remontée de Cabo Frio (Brésil). [Analysis of hydrobiological parameters in the Cabo Frio (Brazil) upwelling] **82**, 259 (1984)
Valiela, I., see Wilson, J.O., et al. **90**, 129 (1985)
Vareschi, E., Fricke, H.: Light responses of a scleractinian coral *(Plerogyra sinuosa)* **90**, 395 (1986)
Vargas, J.A., see Maurer, D. **81**, 97 (1984)
Varvio-Aho, S., see Pamilo, P. **79**, 99 (1984)
Veer, H.W. van der, Sadée, C.F.M.: Seasonal occurrence of the ctenophore *Pleurobrachia pileus* in the western Dutch Wadden Sea **79**, 219 (1984)
Velimirov, B., see Herndl, G.J. **90**, 363 (1986)
Verheyen, E., see Wolf, G., et al. **90**, 35 (1985)
Verity, P.G., Stoecker, D.: Effects of *Olisthodiscus luteus* on the growth and abundance of tintinnids **72**, 79 (1982)
Vermeij, G.J., see Blundon, J.A. **76**, 41 (1983)
Vernet, M., see Welschmeyer, N.A., et al. **83**, 263 (1984)
Verschraegen, K., Herman, P.M.J., Ganssbeke, D. van, Braeckman, A.: Measurement of the adenylate energy charge in *Nereis diversicolor* and *Nephtys* sp. (Polychaeta: Annelida): evaluation of the usefulness of AEC in pollution monitoring **86**, 233 (1985)
Vetter, R.D.: Elemental sulfur in the gills of three species of clams containing chemoautotrophic symbiotic bacteria: a possible inorganic energy storage compound **88**, 33 (1985)
Victor, B.C.: Daily otolith increments and recruitment in two coral-reef wrasses, *Thalassoma bifasciatum* and *Halichoeres bivittatus* **71**, 203 (1982)
Victor, B.C.: Duration of the planktonic larval stage of one hundred species of Pacific and Atlantic wrasses (family Labridae) **90**, 317 (1986)
Vining, L.C., see Cosper, C.I., et al. **78**, 139 (1984)
Vinogradov, M.E., Flint, M.V., Shushkina, E.A.: Vertical distribution of mesoplankton in the open area of the Black Sea **89**, 95 (1985)
Vinuesa, J.H., Ferrari, L., Lombardo, R.J.: Effect of temperature and salinity on larval development of southern king crab *(Liothodes antarcticus)* **85**, 83 (1985)
Vlaeminck, A., see Wolf, G., et al. **90**, 35 (1985)
Voutsinou-Taliadouri, F., see Satsmadjis, J. **76**, 115 (1983)

W

Wahl, M.: The fluffy sea anemone *Metridium senile* in periodically oxygen depleted surroundings **81**, 81 (1984)
Walker, R.P., Thompson, J.E., Faulkner, D.J.: Exudation of biologically-active metabolites in the sponge *Aplysina fistularis*. II. Chemical evidence **88**, 27 (1985)
Walker, R.P., see Thompson, J.E., et al. **88**, 11 (1985)
Wallace, C.C.: Reproduction, recruitment and fragmentation in nine sympatric species of the coral genus *Acropora* **88**, 217 (1985)
Wallace, C.C., see Babcock, R.C., et al. **90**, 379 (1986)
Wallentinus, I.: Comparisons of nutrient uptake rates for Baltic macroalgae with different thallus morphologies **80**, 215 (1984)
Waples, R.S., see Wilson, R.R. Jr. **80**, 227 (1984)
Warner, R.R., Lejeune, P.: Sex change limited by paternal care: a test using four Mediterranean labrid fishes, genus *Symphodus* **87**, 89 (1985)
Warr, S.R.C., Reed, R.H., Stewart, W.D.P.: Physiological responses of *Nodularia harveyana* to osmotic stress **79**, 21 (1984)

Warwick, R.M., see Joint, I.R., et al. **72**, 157 (1982)
Waslenchuk, D.G., Matson, E.A., Zajac, R.N., Dobbs, F.C., Tramontano, J.M.: Geochemistry of burrow waters vented by a bioturbating shrimp in Bermudian sediments **72**, 219 (1983)
Wassenberg, T.J., see Moriarty, D.J.W., et al. **85**, 293 (1985)
Wassmann, P.: Sedimentation and benthic mineralization of organic detritus in a Norwegian fjord **83**, 83 (1984)
Watkins, J.L., Morris, D.J., Ricketts, C.: Nocturnal changes in the mean length of a euphausiid population: vertical migration, net avoidance, or experimental error? **86**, 123 (1985)
Watras, C.J., see Anderson, D.M., et al. **76**, 179 (1983)
Watts, S.A., see Dawes, C.J., et al. **78**, 325 (1984)
Wear, R.G., see Fulton III, R.S. **87**, 47 (1985)
Webb, C.M., Tyler, P.A.: Post-larval development of the common north-west European brittle stars *Ophiura ophiura, O. albida* and *Acrocnida brachiata* (Echinodermata: Ophiuroidea) **89**, 281 (1985)
Webb, K.L., see D'Elia, C.F., et al. **75**, 157 (1983)
Webb, L., see Coll, J.C., et al. **74**, 35 (1983)
Weber, W., see Schlichter, D., et al. **89**, 143 (1985)
Webster, J.M., see Trotter, D. **78**, 39 (1983)
Weichart, D., see Siebers, D., et al. **87**, 185 (1985)
Weinberg, J.R.: Factors regulating population dynamics of the marine bivalve *Gemma gemma:* intraspecific competition and salinity **86**, 173 (1985)
Weinberg, J.R., see Whitlach, R.B. **71**, 33 (1982)
Weiße, T.: Feeding of calanoid copepods in relation to *Phaeocystis pouchetii* blooms in the German Wadden Sea area off Sylt **74**, 87 (1983)
Welschmeyer, N.A., Copping, A.E., Vernet, M., Lorenzen, C.J.: Diel fluctuation in zooplankton grazing rate as determined from the downward vertical flux of pheopigments **83**, 263 (1984)
Welschmeyer, N.A., Lorenzen, C.J.: Role of herbivory in controlling phytoplankton abundance: annual pigment budget for a temperate marine fjord **90**, 75 (1985)
Wencker, D.L., see Incze, L.S., et al. **84**, 93 (1984)
Wenner, A.M., see Siegel, P.R. **80**, 341 (1984)
Werner, B., Hentschel, J.: Apogamous life cycle of *Stephanoscyphus planulophorus* **74**, 301 (1983)
Wheeler, W.N., Druehl, L.D.: Seasonal growth and productivity of *Macrocystis integrifolia* in British Columbia, Canada **90**, 181 (1986)
Wheeler, W.N., see Druehl, L.D. **90**, 173 (1986)
White, A.Q., see Hutcheson, M., et al. **88**, 59 (1985)
White, S.L., see Ridout, P.S., et al. **87**, 285 (1985)
Whitlach, R.B., Weinberg, J.R.: Factors influencing particle selection and feeding rate in the polychaete *Cistenides (Pectinaria) gouldii* **71**, 33 (1982)
Whitney, D.E., Darley, W.M.: Effect of light intensity upon salt marsh bentic microalgal photosynthesis **75**, 249 (1983)
Whoriskey, F.G., see DeBoer, J.A. **77**, 229 (1983)
Widbom, B.: Determination of average individual dry weights and ash-free dry weights in different sieve fractions of marine meiofauna **84**, 101 (1984)
Widdows, J., Moore, S.L., Clarke, K.R., Donkin, P.: Uptake, tissue distribution and elimination of [1-^{14}C]naphthalene in the mussel *Mytilus edulis* **76**, 109 (1983)
Widdows, J., Shick, J.M.: Physiological responses of *Mytilus edulis* and *Cardium edule* to aerial exposure **85**, 217 (1985)
Wiebe, P.H., Morton, A.W., Bradley, A.M., Backus, R.H., Craddock, J.E., Barber, V., Cowles, T.J., Flierl, G.R.: New developments in the MOCNESS, an apparatus for sampling zooplankton and micronekton **87**, 313 (1985)
Wilen, S.H., see Lee, J.J., et al. **82**, 113 (1984)
Wilkinson, C.R., Williams, D. McB., Sammarco, P.W., Hogg, R.W., Trott, L.A.: Rates of nitrogen fixation on coral reefs across the continental shelf of the central Great Barrier Reef **80**, 255 (1984)
Willcocks, A.D., see Ridout, P.S., et al. **87**, 285 (1985)
Williams, D.C., see Holzman, T.F., et al. **90**, 55 (1985)
Williams, D.McB., see Brothers, E.B., et al. **76**, 319 (1983)
Williams, D. McB., see Wilkinson, C.R., et al. **80**, 255 (1984)
Williams, M.A., see Christiansen, M.E., et al. **83**, 225 (1984)
Williams, M.J., Hill, B.J.: Factors influencing pot catches and population estimates of the portunid crab *Scylla serrata* **71**, 187 (1982)
Williams, R.: Vertical distribution of *Calanus finmarchicus* and *C. helgolandicus* in relation to the development of the seasonal thermocline in the Celtic Sea **86**, 145 (1985)
Williams, R., Collins, N.R.: Distribution and variability in abundance of *Schistomysis spiritus* (Crustacea: Mysidacea) in the Bristol Channel in relation to environmental variables, with comments on other mysids **80**, 197 (1984)
Williams, R., Collins, N.R.: Chaetognaths and ctenophores in the holoplankton of the Bristol Channel **85**, 97 (1985)
Williams, R., Conway, D.V.P.: Vertical distribution, and seasonal and diurnal migration of *Calanus helgolandicus* in the Celtic Sea **79**, 63 (1984)
Williams, R., Fragopoulu, N.: Vertical distribution and nocturnal migration of *Nyctiphanes couchi* (Crustacea: Euphausiacea) in relation to the summer thermocline in the Celtic Sea **89**, 257 (1985)
Williams, R., Poulet, S.A.: Relationship between the zooplankton, phytoplankton, particulate matter and dissolved free amino acids in the Celtic Sea. I. Unstratified water conditions **90**, 279 (1986)
Williams, R., Robins, D.B.: Effects of preservation on wet weight, dry weight, nitrogen and carbon contents of *Calanus helgolandicus* (Crustacea: Copepoda) **71**, 271 (1982)
Williams, R., see Joint, I.R. **87**, 297 (1985)
Willis, B.L.,see Babcock, R.C., et al. **90**, 379 (1986)
Willis, J.N., Sunda, W.G.: Relative contributions of food and water in the accumulation of zinc by two species of marine fish **80**, 273 (1984)
Wilson, J.O., Valiela, I., Swain, T.: Sources and concentrations of vascular plant material in sediments of Buzzards Bay, Massachusetts, USA **90**, 129 (1985)
Wilson, R.R., Jr., Smith, K.L., Jr.: Effect of near-bottom currents on detection of bait by the abyssal grenadier fishes *Coryphaenoides* spp., recorded *in situ* with a video camera on a free vehicle **84**, 83 (1984)
Wilson, R.R. Jr., Waples, R.S.: Electrophoretic and biometric variability in the abyssal grenadier *Coryphaenoides armatus* of the western North Atlantic, eastern South Pacific and eastern North Pacific Oceans **80**, 227 (1984)
Wilson, W.H., Jr.: Life-history evidence for sibling species in *Axiothella rubrocincta* (Polychaeta: Maldanidae) **76**, 297 (1983)
Winant, C.D., see Eppley, R.W., et al. **80**, 207 (1984)
Winkler, A., see Siebers, D., et al. **87**, 185 (1985)
Wirsen, C.O., Jannasch, H.W.: *In-situ* studies on deep-sea amphipods and their intestinal microflora **78**, 69 (1983)
Wirsen, C.O., see Tuttle, J.H., et al. **73**, 293 (1983)
Wishner, K.F., Meise-Munns, C.J.: *In situ* grazing rates of deep-sea benthic boundary-layer zooplankton **84**, 65 (1984)
Wolf, G., Verheyen, E., Vlaeminck, A., Lemaire, J., Decleir, W.: Respiration of *Sepia officinalis* during embryonic and early juvenile life **90**, 35 (1985)
Wollacott, R.M., see Brancato, M.S. **71**, 51 (1982)
Wood, A.M., see Gallagher, J.C., et al. **82**, 121 (1984)
Woods, A., see Powell, E.N., et al. **73**, 269 (1983)
Wormhoudt, A., van: Variations immunoquantitatives de l'α amylase au cours du cycle d'intermue à différentes saisons chez *Palaemon serratus* (Crustacea: Decapoda: Natantia). [Immunoquantitative variations of α amylase during the molt cycle at different seasons in *Palaemon serratus* (Crustacea: Decapoda: Natantia)] **74**, 127 (1983)
Wright, D.A., Kennedy, V.S., Roosenburg, W.H., Castagna, M., Mihursky, J.A.:

Temperature tolerance of embryos and larvae of five bivalve species under simulated power plant entrainment conditions: a synthesis **77**, 271 (1983)
Wright, N.H., see Olive, P.J.W., et al. **88**, 235 (1985)
Wu, B.L., see McEuen, F.S., et al. **76**, 301 (1983)
Wyman, K., see Post, A.F., et al. **83**, 231 (1984)

Y

Yamaguchi, M., Lucas, J.S.: Natural parthenogenesis, larval and juvenile development, and geographical distribution of the coral reef asteroid *Ophidiaster granifer* **83**, 33 (1984)
Yamamoto, K., Itazawa, Y., Kobayashi, H.: Erythrocyte supply from the spleen and hemoconcentration in hypoxic yellowtail **73**, 221 (1983)
Yamashita, C., see Moreira, G.S., et al. **74**, 111 (1983)
Yamochi, S., Abe, T.: Mechanisms to initiate a *Heterosigma akashiwo* red tide in Osaka Bay. II. Diel vertical migration **83**, 255 (1984)
Yancey, P.H., see Siebenaller, J.F. **78**, 129 (1984)
Yap, H.T., Gomez, E.D.: Growth of *Acropora pulchra*. II. Responses of natural and transplanted colonies to temperature and day length **81**, 209 (1984)
Yap, H.T., Gomez, E.D.: Growth of *Acropora pulchra*. III. Preliminary observations on the effects of transplantation and sediment on the growth and survival of transplants **87**, 203 (1985)
Yayanos, A.A., see Trent, J.D. **89**, 165 (1985)
Yellowlees, D., see Streamer, M., et al. **90**, 565 (1986)
Yen, J.: Effects of prey concentration, prey size, predator life stage, predator starvation, and season on predation rates of the carnivorous copepod *Euchaeta elongata* **75**, 69 (1983)
Yentsch, C.M., Cucci, T.L., Phinney, D.A., Selvin, R., Glover, H.E.: Adaptation to low photon flux densities in *Protogonyaulax tamarensis* var. *excavata*, with reference to chloroplast photomorphogenesis **89**, 9 (1985)
Yip, A.Y.-w., see Gordon, M.S., et al. **85**, 209 (1985)
Yoder, J.A., Bishop, S.S.: Effects of mixing-induced irradiance fluctuations on photosynthesis of natural assemblages of coastal phytoplankton **90**, 87 (1985)
Yokote, M., Honjo, T., Asakawa, M.: Histochemical demonstration of a glycocalyx on the cell surface of *Heterosigma akashiwo* **88**, 295 (1985)
York, R., see Kinzie, R.A., III, et al. **78**, 239 (1984)
Young, C.M.: Abundance patterns of subtidal solitary ascidians in the San Juan Islands, Washington, as influenced by food preferences of the predatory snail *Fusitriton oregonensis* **84**, 309 (1985)
Young, C.M., Chia, F.-S.: Microhabitat-associated variability in survival and growth of subtidal solitary ascidians during the first 21 days after settlement **81**, 61 (1984)
Young, R.E., see Hadfield, M.G. **73**, 151 (1983)
Youngbluth, M.J., see Jacoby, C.A. **76**, 77 (1983)
Youngson, A., see Sargent, J.R., et al. **76**, 87 (1983)

Z

Zabala, M., see Gili, J.M., et al. **90**, 291 (1986)
Zachariassen, K.E., see Aarset, A.V. **72**, 45 (1982)
Zachary, A., Parrish, K.K., Bultman, J.D.: Possible role of marine bacteria in providing the creosote-resistance of *Limnoria tripunctata* **75**, 1 (1983)
Zahn, R.K., see Kljajić, Z., et al. **84**, 225 (1985)
Zahn, R.K., see Müller, W.E.G., et al. **76**, 1 (1983)
Zajac, R.N., see Waslenchuk, D.G., et al. **72**, 219 (1983)
Zastrow, C.E., see Kendall, J.J., Jr., et al. **87**, 33 (1985)
Zebe, E., see Holst, H. **80**, 125 (1984)
Zebe, E., see Schöttler, U., et al. **81**, 69 (1984)
Zera, A.J., see Koehn, R.K., et al. **79**, 117 (1984)
Zirino, A., see Greenblatt, P.R., et al. **84**, 75 (1984)
Zouros, E., see Mallet, A.L., et al. **87**, 165 (1985)
Zwart, P.R., see O'Brien, D.P., et al. **90**, 517 (1986)